DEPARTMENT OF FIRE & PUBLIC SAFETY
COUNTY OF MAUI
200 DAIRY ROAD
KAHULUI, HI 96732

September 1, 2021

Honorable Michael P. Victorino
Mayor, County of Maui
200 South High Street
Wailuku, HI 96793

Dear Mayor Victorino,

In accordance with the provisions of Section 13.7 of the Maui County Charter, we are pleased to submit the annual report of activities for the Department of Fire & Public Safety for the fiscal year ending on June 30, 2021.

This report reflects the continuing efforts of our members to be prepared to respond to and successfully manage both man-made and natural disasters. As our county continues to grow and our environment constantly changes, our responsibility to provide the highest level of care and first-class service remains steadfast. Our department and our service will continue to adapt to effectively meet the challenges and demands of our communities on the islands of Maui, Molokai, and Lanai.

On behalf of the Department of Fire & Public Safety, may we extend our personal appreciation to you, your staff, and the members of the County Council for the whole-hearted cooperation and support extended to our Department throughout the year.

Respectfully,

BRADFORD K. VENTURA
Acting Fire Chief
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MISSION STATEMENT

Dedicated to protect and preserve life, environment, and property.
DEPARTMENT GOALS

1. Suppress and extinguish all hostile fires.
2. Perform search and rescue on land and at sea.
3. Provide quality emergency medical services.
4. Prevent, mitigate, and stabilize hazardous materials incidents.
5. Participate in the County’s localized disaster response network.
7. Maintain vehicles and equipment for emergency response.
8. Develop and support an effective organization.

Years One to Five

- Continue to improve our maintenance program for vehicles and apparatus.
- Work towards compliance in all areas of the Department’s responsibilities and operations, to include OSHA and NFPA guidelines.
- Establish an executive committee charged with taking proactive approach to represent the Department in present and future community developments. This will allow input/feedback in the early planning stages of these projects.
- Increase initial training standards during firefighter recruit class and probationary period.
- Implement recently revised Strategic Plan (2020)
- Increase staffing at the Fire Prevention Bureau, Health and Safety Bureau, Ocean Safety Bureau, and Training Bureau.
- Establish a planning process with a clear set of criteria of the building of new fire stations to accommodate population and visitor growth.

Years Six to Ten

- Maintain and update the Department’s Strategic Plan as a continuously living/working guideline: our “roadmap to success.”
- Continue towards updating and modifying laws that affect our Department’s ability to conduct business, allowing us to streamline services and increase productivity.
- Continue to support advanced training and continuing education for Chief Officers and supervisors to ensure safety and a positive attitude toward our Department’s mission.
- Maintain an experienced executive committee on community developments. Train new members for the future.
- Engage in aggressive research and development for all aspects of the Department’s responsibilities.
- Maintain Memorandums of Agreement for statewide disaster response. Work towards expanding response and service.
MAUI COUNTY CHARTER PROVISION
2021 EDITION

Section 8-7.1. Organization. There shall be a Department of Fire and Public Safety consisting of a Fire and Public Safety Commission, a Fire Chief, and the necessary staff. (Amended 2002, 1986)

Section 8-7.2. Fire and Public Safety Commission. The Fire and Public Safety Commission shall consist of nine members appointed by the Mayor with the approval of the Council.

The Fire and Public Safety Commission shall:

1. Adopt such rules as it may consider necessary for the conduct of its business and regulation of the matters committed to its charge by law.
2. Review and submit to the Mayor, the Department of Fire and Public Safety’s request for an annual appropriation for the operation of the department.
3. Review the operations of the Department of Fire and Public Safety and the Maui County Emergency Management Agency and make recommendations for changes that may be desirable to improve the performance of emergency functions and the provision of public safety services.
4. Receive, review, and investigate any charges brought forth by the public against the conduct of the Department of Fire and Public Safety or any of its members and submit a written report of its findings and recommendations to the Fire Chief for disposition.
5. Annually review and evaluate the performance of the Fire Chief and submit a report to the Mayor and the Council.
6. Submit an annual report to the Mayor and the Council on its activities.
7. Have such other powers and duties as may be provided by law. Except for purposes of inquiry or as otherwise provided in this charter, neither the Commission nor its members shall interfere in any way with the administrative affairs of the department. (Amended 2016, 2012, 2002)

Section 8-7.3. Fire Chief. The Fire Chief shall be appointed and may be removed by the Fire and Public Safety Commission. The Fire Chief may be removed by the Fire and Public Safety Commission only after being informed in writing of the charges that are resulting in the Fire Chief’s dismissal, and after being given a hearing before the Commission. The Fire Chief shall have had a minimum of five years of experience in fire control, at least three years of which shall have been in an administrative capacity. (Amended 2002)

Section 8-7.4. Powers, Duties, and Functions. The Fire Chief shall:

1. Be the administrative head of the department.
2. Provide and perform firefighting, rescue, shoreline and ocean rescue and safety, and first-responder emergency services in order to save lives and property from fires and other emergencies arising on land, sea, and hazardous terrain, including the mitigation and stabilization of hazardous materials and incidents relating to the same.
3. Provide public education programs related to fire prevention, shoreline and ocean rescue and safety, and public safety.
4. Train, equip, maintain, and supervise the force of the firefighting, shoreline and ocean rescue and safety, and emergency rescue personnel.
5. Investigate the cause, origin, and circumstances of fires.
6. Adopt rules relating to the protection of persons and property against fires.
7. Monitor the standards for construction and occupancy of buildings for the purpose of fire prevention and life safety and approve building plans as provided by law.
8. Exercise such other powers and duties as may be assigned by the Commission or as may be provided by law. (Amended 2012, 2002, 1992, 1984)
After five years of service to the Fire and Public Safety Commission, we bid Aloha to Commissioners Jack Freitas and Travis Tancayo. Both Commissioners began their terms in April of 2016 and have contributed immensely toward the Department’s success. The Department and Commission Members thank both commissioners for their hard work and commitment.

Mayor Victorino and the County Council approved two new Commission Members, Dylan Andrion and Makalapua Kanuha of Maui. We would like to welcome both to the Fire & Public Safety Ohana.

On June 30, 2021, Fire Chief David Thyne retired after 32 years of service. The Department and Commission Members would like to express our deepest gratitude to Chief Thyne for his time and dedication to the Department and our community. The Commission is currently in the process of recruiting for a new Fire Chief and hopes to select and appoint by mid-September.

In light of the COVID-19 Pandemic, the Fire & Public Safety Commission have conducted their monthly meetings virtually.
AUTHORIZED PERSONNEL

ADMINISTRATION AND SUPPORT STAFF

- Fire Chief 1
- Deputy Fire Chief 1
- Assistant Fire Chief 2
- Fire Services Officer 1
- Administrative Officer 1
- Accountant IV 1
- Private Secretary 1
- Secretary III 1
- Personnel Assistant I 1
- Account Clerk III 2
- Departmental Personnel Clerk 1
- Office Operations Assistant II 1
- Internal Affairs Officer 1
- Communications Support Technician 1
- Building Maintenance Repairer 1

FIRE PREVENTION BUREAU

- Fire Captain 1
- Fire Fighter IV 3
- Fire Fighter III 6
- Account Clerk III 1
- Office Operations Assistant II 1

FIRE SUPPRESSION

- Battalion Chief 6
- Fire Captain 51
- Fire Fighter III 69
- Fire Fighter II 18
- Fire Fighter I 138

HEALTH AND SAFETY BUREAU

- Fire Captain 1
- Fire Fighter III 2
- SCBA Technician 1
- Inventory Warehouse Technician 1

MECHANIC SHOP

- Lead Fire Equipment Mechanic 1
- Fire Mechanic 4
- Office Operations Assistant II 1

OCEAN SAFETY BUREAU

- Battalion Chief 1
- Ocean Safety Manager 1
- Ocean Safety Officer IV 5
- Ocean Safety Officer III 9
- Ocean Safety Officer II 47
- Staff Services Assistant 1

TRAINING BUREAU

- Fire Captain 1
- Fire Fighter III 3
- Program Services Assistant 1

TOTAL PERSONNEL 391
DEPARTMENT AWARDS

Service Awards

30 Years:
- Henry Davis
- Jeffrey Silva

25 Years:
- Geoffrey Bogar
- Cary Kayama
- Henry Lindo
- Gale Notestone
- Ross Ohigashi
- Vernon Patao
- Kenhart Tancayo
- David Yoshida

20 Years:
- Darrin Almeida
- Lokahi Herrod
- Kaipo Kahai
- Bradford Quinto
- Sean Richardson
- Patrick Shipman
- Peter Vanderpoel

15 Years:
- Shane Adolpho
- Richard Apana
- Kaleioakaehukai Awo
- Kevin Cabrera
- George Dagan
- Jacob Darr
- Gavin Fujioka
- Isaiah-Futol Bicoy
- Peter Gand
- Modesto Jacinto
- Noa John Horner
- Michael McDonald
- Michael Mullalley
- Timothy O’Connor
- Jeffrey Robson
- Gregory Shinyama
- William Tackaberry

10 Years:
- Darrell Aea
- Jesse Aloy
- Anthony Ancog

Perfect Attendance

- Daryl Boeche
- Ryan Cabrera
- Misty Cordeiro
- Kaima Duarte
- Jay Duquette
- Victor Fontanilla
- Robert García
- Michael Grimes
- John Guard
- Bowen Medeiros
- Nikolai Reuss
- Jack Smith
- John Tualemoso
- Edmund Wong Leong

- Joseph Shutsa
- Kai Warman
- Kaipo Kahai
- Kalani Nicholls
- Kamuela Guth
- Koa Bonnell
- Kristopher Sakamoto
- Kristopher Stadler
- La’a’eka Chang
- La’a’eka Poepoe
- Lokahi Herrod
- Marion Lewis
- Micah McDonald
- Michael Howe
- Nathan Fujimoto
- Nathan Oshiro
- Oliver Vaas
- Peter Kaina
- Reed Arisumi
- Richard Kawasaki
- Rocky Keawekeane
- Roderick Quintana
- Ross Ohigashi
- Ryan Worcester
- Scott Martin
- Sean Richardson
- Sean Simon
- Spencer Rodrigues
- Steven Lee
- Thomas Heen
- Todd Teraoka
- Tracy Nakagawa
- Tye Perdido
- Tyler Orikasa
- Victor Fontanilla
- Wayne Tashiro
- Zachary Edlao
SUPPORT SERVICES
200 DAIRY ROAD
KAHULUI, HI 96793

PERSONNEL
Departmental Personnel Clerk Melissa Platiro
Administrative Officer Jamie Adams
Personnel Assistant I Misty Cordiero

ACCOUNTS
Account Clerk III Jill Peterson
Accountant IV Cindy Kagoshima
Account Clerk III Shirley Amby

MECHANIC SHOP
Office Operations Assistant II Lynn Viela, Fire Mechanic Ray Shimizu,
Fire Mechanic Blaine Loque, Fire Mechanic Shawn Kan-Hai,
Fire Mechanic Makoa Medeiros, Lead Fire Mechanic Victor Fontanilla

Dukie Racadio
Internal Affairs Officer

Patrick Acia
Building Maintenance Repairer

Paul Macleod
Communication Support Technician
ADMINISTRATION AND SUPPORT SERVICES

Expansion Positions and Personnel Reallocation

On April 1, 2020, the State of Hawaii, Department of Land and Natural Resources (DLNR) suspended grant funding for lifeguard services at Makena State Beach Park. Ocean Safety Officers assigned to Makena State Beach Park were reallocated into expansion positions to avoid layoffs.

The Fire Prevention Bureau received a Fire Fighter IV (Lieutenant) expansion position in September 2020. This position was filled via promotion in November 2020.

The Department’s reorganization of the Administration/Support Services division was approved in October. The reorganization included multiple changes to the supervisory structure as well as the reallocation of the Business Administrator I to Accountant IV and the Administrative Assistant II to Administrative Officer. These reallocations went into effect on January 1, 2021.

Grants

The Department of Fire & Public Safety continues to actively pursue grant opportunities through both private and government agencies. There are other grants not listed here that require regular reporting such as those associated with the Community Development Block Grant (CDBG), and Assistance to Fire Fighters Grant (AFG). The following is a list of grants approved/awarded in FY 2021:

- Department of Transportation – Extrication Tools $39,754.00
- Community Development Block Grant – Hana Rescue Pumper $841,784.00
- Community Development Block Grant – Ho’olehua Mini Pumper $270,000.00

Modified Special Assignment

The Modified Special Assignment (MSA) program continues to provide a mechanism for Fire Fighters and Ocean Safety Officers, who experience work or non-work related injuries or long-term illnesses, to return to work. Employees are assigned tasks in accordance with their treating physician’s estimated functional capacity. This program allows our trained professionals to continue to use their skills for the benefit of the Department even when they are unable to perform their full duties as emergency responders. It allows our personnel to rehabilitate at a prescribed pace while remaining active and involved in department functions that need additional resources. During FY 2021, ten Fire Fighters and Ocean Safety Officers participated in the MSA program. Employees return to full duty upon receiving clearance from their physician while reducing workers’ compensation claims, conserving accrued vacation/sick leave, and learning administrative functions which may prove helpful as their careers progress.
LEADERSHIP DURING THE COVID-19 PANDEMIC

In February of 2020, our administration was watching the development of the Wuhan coronavirus out of China as it entered the United States. By February 1st the US had eight confirmed cases and the disease spread rapidly across our country. Knowing well that this disease was growing to pandemic size and would certainly impact Hawaii eventually, we began to stock up and prepare for the worst.

Hawaii saw its first case on March 6, 2020 and the shutdown began. By the following week public areas had been closed and the definition of essential worker was being defined by the Governor. An emergency proclamation went into order and everyone’s lives changed.

What was in fact a very dangerous and contagious virus proved to be a more emotional and psychological emergency throughout our department. Being first responders, we already had the training and equipment to keep isolated from the transmission of the virus if we all followed necessary precautions. Through our medical training we have established guidelines for body substance isolation and provided necessary PPE for all of our employees. Since we were able to order supplies ahead of the virus reaching Hawaii, we were able to provide enough masks, shields, gowns, and gloves for our employees to stay safe.

The biggest challenge before us was to provide as much education and information to our employees so that they felt safe coming to work. There were legitimate fears that a first responder would contract the disease and bring it home to their at-risk family member or spread it in the fire houses and lifeguard towers. There were also concerns from our civilian employees that they would contract it from one of our front-line employees. Emotions ran high for nearly a year before people began to feel they understood the risks and felt a bit safer. The fact that firefighters and ocean safety officers responded to infected community members during the pandemic and stayed safe is a tribute to all of the department’s leadership enforcing the policies and procedures that we created with the Department of Health.

As we all know we are not out of woods yet but with vaccinations on the rise we feel our employees will be safer in the future.
Captain Ryan Otsubo
FF III Jon Oura
Office Operations Assistant II Joyce Nakagawa
FF III Kellen Yap
FF IV Oliver Vaas
Account Clerk III Darlene Manzano
FF IV Michael Gormley
FF IV Conrad Guerrero
FF III Merritt Kaufman
Missing: FF III Loea Chang and FF III Lance Yokoyama
FIRE PREVENTION BUREAU

Introduction

The Fire Prevention Bureau’s duties can be divided into four sections:

- Plans review
- Inspections
- Public education
- Fire Investigations

Plan reviews are conducted to ensure compliance with the requirements of the State and County Fire Codes prior to projects and events being initiated. Plan reviews are required for new construction projects, commercial and residential renovation projects, large event set-ups, new subdivisions, and the installation, renovation, repair of fire and life safety systems.

Inspections are conducted to ensure the requirements of the State and County Fire Codes are implemented and maintained. Inspections are done on new construction of buildings, renovation projects, special permit issuances, and maintenance of existing buildings and fire protection systems. Inspections are also conducted if a Request for Service is submitted by a citizen fire safety concerns.

Public education involves community outreach on fire and life safety tips and procedures. It includes training and discussions on fire extinguishers, smoke alarms, evacuation planning, fall prevention, and emergency response.

Fire investigations are initiated by request from a company commander needing assistance in determining with the origin and cause investigation for a fire involving death, injury, high-dollar loss, and/or suspected arson. An investigation utilizes in-depth observations and information gathering to determine the origin and cause of a fire.

Personnel

The Fire Prevention Bureau is staffed by 12 personnel: 1 - Captain, 3 – Fire Fighter IV (Lieutenants), 6 – Fire Fighter III (Fire Inspectors), 1 - Account Clerk III, and 1 - Office Operations Assistant II.

The Captain is responsible for ensuring that all duties assigned to the Bureau are done in-line with applicable laws and standards in an efficient and timely manner. The Captain supervises all bureau personnel.

The Fire Fighter IVs also referred to as Lieutenants are assigned to do all plan reviews routed to the Bureau through the County’s permitting process. Reviews may also be initiated by other county departments. In the absence of the Captain, the Lieutenants are temporarily assigned to fill the role.
The Fire Fighter IIIs also known as Fire Inspectors are assigned to do inspections and assist with the delivery of public education programs to the community. Inspectors also help to resolve community concerns through our code enforcement program.

Currently, the bureau has 7 trained fire investigators assigned to conduct in-depth investigations.

The Account Clerk III to processes permits and handle all the financial transactions of the Bureau. This person’s duties also include auditing the fireworks permits and storage.

The Office Operations Assistant II is responsible for record-keeping and filing, parcel research, processing and scheduling of all requests for public education, and completing various office-related tasks.

At this time, there is one vacant Fire Fighter III (Fire Inspector) position.

Training and Education

A. Training allows staff members to stay current with codes, standards, and new technologies. This is very important in the Bureau’s effort to provide quality service to the community. The Department’s Administration has remained committed to allowing the bureau staff to attend the best training opportunities available, wherever it may be. Due to the COVID-19 pandemic, training opportunities were limited this fiscal year. The following is a list of training seminars that were attended by staff members:

- July 2020:
  - Fire and Arson Investigation – Basic
  - AFAA Fire Alarm Plan Review
- August 2020:
  - IAAI – NFPA 921 2021 New Standard Familiarization
- November 2020:
  - Scene Exam NFPA 1033
- December 2020:
  - Fire and Arson Investigation – Evidence Collection
- May 2021:
  - FBI IED Training – Explosive Awareness

B. Educating the public on fire prevention and life safety is a priority of the Fire Prevention Bureau. Our Public Education Specialist, with assistance from bureau members and department personnel, provided training and fire safety education to members of our community. Due to the COVID pandemic our public education was limited to. The following types:

- The Fire Fighter Safety Guide (FFSG) Program provides fire safety education to the county’s grade school children. A total of 9,000 guides were distributed to
students from Kindergarten through the Fifth grade throughout Maui County schools.

- The Fire Extinguisher Training Program provided hands-on training to approximately 60 people. This training covered the classes of fire, components of a fire extinguisher, emergency procedures when a fire is discovered, and how to properly use a fire extinguisher. Each class was approximately 45 minutes and ended with a safe, live-fire simulation that allows and hands-on training with a fire extinguisher.

**Working Statistics**

- The Fire Prevention Bureau reviewed 1,681 building permit plans during this fiscal year.
- Issued 868 fireworks permits to include fire crackers, aerial shows, retail and wholesale licenses.
- Issued 53 permits for fuel tanks (propane and flammable combustible liquids).
- Issued 6 tents and booth permits.

- 31 public schools, 9 private schools, and 60 preschools were inspected.
- The Fire Prevention Bureau conducted 48 in-depth fire investigations. These investigations include only those incidents where technical help was needed to document the scene and determine the fire cause.
- 519 facility inspections conducted.
- 540 inspections of fire and life safety systems were conducted.
- 188 brush inspections were conducted.

The Fire Prevention Bureau also provided comments through Requests for Information by individuals, companies, and various county departments in regards to applications for subdivisions, changes in zoning, special use permits, variances and appeals, and environmental impact statements. Approximately 65 requests for information were handled during the past fiscal year. This participation also included attending meetings and providing fire prevention, fire code, and life safety comments for projects.

**Fire Code**

Maui County is in the process to adopt the county amendments for the 2018 edition of NFPA 1.

On-going Commitments and Goals

- Protect life, property and the environment by enforcing the laws and codes adopted by the State of Hawaii and Maui County.
- Educate the citizens of Maui County on fire prevention and life safety.
- Ensure that staff members are kept current with codes, standards, and new technologies in an effort to provide quality service to the community.
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HEALTH & SAFETY BUREAU
200 DAIRY ROAD
KAHULUI, HI 96732

FF III Anthony Twarowski
Captain George Dagan
FF III Evan Johnson
Inventory Technician Dexter Burns
HEALTH AND SAFETY BUREAU

Introduction

The Health and Safety Bureau’s role in the Maui Fire Department is ever expanding. Statistics show that firefighters have a higher cancer rate than other professions due to long term exposure to toxic, carcinogenic chemicals, and gases throughout their career. The Firefighter Profession is also experiencing increasing rates of depression and suicide due to exposure to traumatic incidents on emergency calls. Firefighters are also put under significant stress, mentally and physically contributing to a high number of heart attacks and strokes. There are also a lot of injuries due to the inherent risks and dangers of the job. Now add COVID-19 to the long list of things that firefighters need to worry about as they respond to emergency calls. It is the job of the Health and Safety Bureau to Research these statistics, acknowledge that they are real problems and implement plans and programs to mitigate the harsh effects that our firefighter must deal with.

The Occupational Safety and Health Administration (OSHA) and the National Fire Protection Association (NFPA) have numerous regulations and standards already in place. The Health and Safety Bureau has incorporated many of these regulations and standards to create programs within the Maui Fire Department’s Standard Operating Guidelines that address all of these issues. Programs include:

- Accident Prevention and Safety
- COVID-19 Planning and Response Guide
- Critical Incident Stress Management (CISM)
- Employee Assistance Program (EAP)
- Exposure and Infectious Disease Control
- Hearing Protection and Conservation
- Material Safety Data Sheet Accessibility
- Occupational Health and Wellness
- OSHA Forms 300 and 300 A
- Peer Support Program
- Respiratory Protection Program

In addition to the many written programs in place, The Health and Safety Bureau is actively addressing these issues. Currently, we have been implementing a decontamination program immediately following all structure fires to rid our Personal Protective Equipment(PPE) from contaminants before we leave the emergency scene. HSB is implementing a Wellness First Aid Awareness campaign that entails certified instructors visiting every fire station to train firefighters about mental wellness and provide confidential resources to reach out to when in need. HSB established a Safety Officer Program that has enabled firefighters to be more aware of dangerous

Rehabilitation during a major brush fire.
situations that occur on emergency calls in order to prevent injuries and fatalities before they happen. Another active role HSB provides is rehabilitation to deliver electrolyte hydration drinks, much needed meals and snacks and perform medical monitoring to assess vitals on the fire ground. This is all done to make sure that firefighters aren’t showing signs of heat exhaustion and then returning to work.

Organization and Responsibilities

The Health & Safety Bureau consists of a Fire Captain and two (2) Fire Fighter IIIs, an Inventory Technician, and SCBA Technician.

HSB has developed a number of programs to ensure the wellbeing of our personnel and promote their overall health, safety, and fitness. These programs include:

- Fire Ground Rehabilitation includes hydration, medical monitoring, and calorie/electrolyte replenishment, etc. for emergency incidents and training exercises following recommendations of NFPA 1584 to the greatest possible extent.
- OSHA and DOT Compliant: Respiratory Protection Program for SCBA (Self-Contained Breathing Apparatus) and Air Fill Stations, mandatory OSHA annual fit-testing.
- OSHA Compliant: Infectious Disease and Exposure Control Program for Blood Borne Pathogens and Personnel Exposures.
- Cleaning, disinfecting, and maintenance of personal protective clothing in accordance with NFPA standards to the greatest extent possible.
- Facilitating SCBA ensemble cleaning and disinfecting procedures per manufacturer recommendations.
- Flow testing for the SCBA.
- Fit testing of the SCBA masks for every firefighter.
- Maintaining 6 MFD Compressor Fill Stations for SCBA bottles.
- Regulates bio-waste cleanup and disposal procedures.
- Oversees Fire Warehouse operations including maintaining equipment and supply inventory, distribution of items as requested by personnel, and procurement processes.
- Essential emergency medical and safety supply through requisition, procurement, and delivery efforts.
- Coordinate and administer Hepatitis B vaccinations for Fire Fighter Trainees.
- Health, wellness, physical fitness, and injury prevention education.
- Behavior health monitoring, including Critical Incident Stress Management (CISM) and Peer Support programs.
- Assumes the Safety Officer role during emergency scene and training exercises to provide safety monitoring and guidance.
- Provides medical monitoring and public education at various public events (i.e. community fairs, youth sport tournaments, etc.)
- Assist the Department’s Research and Development Cadre to select proper PPE for quality and standardization purposes.
- Provides valuable input as requested by the Safety Committee on matters related to the health and safety of personnel.
- Assists in developing and maintaining Standard Operating Guidelines (SOGs) related to health and safety matters.
- Management of decontamination strategies, tactics, equipment, and procedures for biological (medical) and fire ground events.
- Educating personnel on relevant health and safety topics as they relate to any aspect of job requirements or personal life situations.
- Conducts accident investigations and maintains documentation for department exposure or incidents.
- Assists in inspecting department-wide facilities as guided by industry safety regulations.
Highlights of Activities for FY 2021

In addition to routine assignments and day-to-day tasks which help the Department to function efficiently and safely, the Health and Safety Bureau is also charged with extensive tasks and projects which are deemed to be medium- to long-term to ensure the continued development of major programs and services including:

- Ordered 112 new sets of Lion turnouts.
- Procured a new fit tester that will fit test SCBA Masks and N95 Masks as well.
- Implemented Decontamination procedures after Structure Fires in order to cut exposure to harmful contaminants.
- Implemented Safety Officer into Auto Extrication Training, department wide awareness training on Target Solutions, and an Ops Class to train firefighters to become Safety Officers on emergency calls.
- Conducting Mental Wellness First Aid Awareness classes to all firefighters at every station in MFD to deal with the severity of the every growing problem of depression, suicide and overall mental health issues.
- Implemented a new warehouse software to track and improve efficiency with equipment supplies, medical supplies and SCBAs.
- Responsible for ordering and outfitting the MFD’s New Engine 1, Engine 3 and Mini 1 with the necessary tools, appliances and hoses, etc.
- Responsible for coordinating Advanced Cleaning and Repair of our Structural Turnout PPE with Hawaii PPE on Oahu.
- Supplied Firefighters with Loaner Structural Turnouts if firefighters contaminated their turnouts and needed a backup set.
- Ordered 10 New Zoll AEDs.
- Received 40 more MSA packs. Waiting for conversion then we will have extra packs. Will order 12 more MSA Packs FY 2022.
- Annual Fit-Testing of MFD personnel and MPD Special Response Team (SRT).
- Hydrostatic testing, routine repairs, asset tracking, and inventory of all SCBA cylinders.
- Annual testing, repair, and documentation of all SCBA harnesses and breathing air regulators.
- Annual service maintenance of six (6) breathing air compressors used to fill SCBA cylinders, including five (5) fixed fill stations at Kahului, Kaunakakai, Lahaina, Paia, and Wailea fire stations along with our mobile Air and Light Apparatus.
- Quarterly air sampling and carbon monoxide meter calibration completed for all breathing air compressors.
- Maintenance and programming of extractors used to wash turnouts and other PPE in order to extract soot/toxins and disinfect garment. MFD has eight (8) industrial extractors located at Stations 3, 4, 5, 7, 8, 10, 14 and at the Joint Training Center. Extractors were purchased in FY2021 for Stations 2, 11, and 13.
• Provides procedural guidance to personnel who have experienced a blood-borne pathogen exposure and maintains all related records. HSB works diligently with Maui Memorial Medical Center’s (MMMC) Emergency Room in cases of suspected work-related exposures and ensuring post-exposure procedures are handled appropriately.
• Publication of a joint Health & Safety and Training Bureau Quarterly Magazine highlighting current health and safety related information and procedures specific to mitigating risk to our personnel.
• HSB provides education on occupational hazards inherent to firefighting; particularly heart disease, cancer, and injury prevention to firefighters both in person and in writing.
• Continues to support Critical Incident Stress Management (CISM) and Peer Support programs for personnel experiencing work-related or personnel emotional distress. Trained and utilized additional Peer Support members to provide more one-on-one support.
• Conducts medical monitoring and rehabilitation services (work/rest cycles, energy/fluid replenishment) and supplies necessary equipment at various emergency incidents, training exercises.
• HSB assisted the Training Bureau with recruit training including an overview of fire service health and safety, vaccinations, high pressure cylinder fill station operations and assistance with ordering equipment.
• Provided first-aid support at various public events
• HSB is working a weekly rotation, which provides 24-hour fire ground support for the Operations division, addressing firefighters’ needs for proper hydration, calorie supply, medical monitoring, rest and logistical concerns. HSB was called out to several large-scale incidents outside of normal business hours.
• Implemented an HSB callback team to assist in fire ground rehab at bigger incidents
• Assisted Maui Incident Management Team (MIMT) with logistics and safety components during large scale incidents.
• Continues to repair or purchase replacement physical fitness equipment through County provided funding allocated to the Health & Safety Bureau.
• Annually updates all Safety Data Sheets (SDS) in accordance with HIOSH Hazard Communication Standard (HCS) 29 CFR 1910.1200(g).

[Harmful chemicals from vehicle fire on the West Side]
TRAINING BUREAU
200 DAIRY ROAD
KAHULUI, HI 96732

Program Services Assistant Gail Morton
FF III Kristopher Stadler
Captain Jeffrey Robson
FF III Tyler Pascual
FF III Michael Judd
Introduction

The Training Bureau functions in a support role for the Maui County Department of Fire and Public Safety, working to ensure MFD personnel develop and maintain several, high-skill level proficiencies, to be able to respond to all hazards found in the County of Maui. This task can be broken down into the following functions; Incumbent Training (50%), Recruit Training (20%), documentation and records keeping (20%), and research and development (10%). All curriculum is based on national standards and in compliance with local, state, and federal laws. The Training Bureau’s objectives are to ensure all personnel are trained to operate as safely as possible, to prepare personnel to respond to all emergencies, and to provide professional development training equitably to all employees.

During FY2021, the Training Bureau made several changes to the typical MFD approach to training. Many of the mandatory trainings traditionally took place in a centralized classroom setting. As a precaution, and following social distancing guidelines, MFD provided decentralized training (captain led training, standard company evolutions, in-district training), and integrated a computer based platforms (Target Solutions, Blue Jeans). MFD’s dedication to training and preparing personnel to serve the community of Maui County, never wavered, even facing the unknown and fast changing environment of the COVID-19 pandemic.

With the support and encouragement of MFD’s Administration, the Training Bureau has put an increased emphasis on the safety, health, well-being and morale of MFD personnel. New programs were developed and provided to all personnel, such as Safety Officer Awareness, Safety Officer Operations, and Mental Health Awareness. In addition, all trainings will be evaluated by the Assistant Chief of Operations, Training Bureau, and the Health and Safety Bureau, to ensure that all trainings meet operational needs, training compliance requirements, and are as safe as possible.

Strategic Initiatives

Strategic Initiatives VI, in MFD Strategic Plan 2021-2025, provides direction for the Training Bureau by outlining the following four goals.

1. Research and utilize technology to enhance training, communication, and decision-making process within the department.

2. Improve safety, communication and efficiency at emergencies involving multi-agency response by providing joint training opportunities.
3. Evaluate training programs to ensure high quality service is being provided to our community and develop training that matches our capabilities with community risk/needs using our personnel’s creativity and ingenuity to develop solutions for all hazard preparedness.

4. Provide advancement opportunity to all personnel by implementing a professional development plan, and provide training opportunities to prepare all personnel for career advancement and position transfers.

Organization and Responsibilities

Incumbent Training

Incumbent Training refers to the training of all members after the completion of recruit class. This category of training includes skills development and proficiency assessment for every member based on individual position description and job performance requirements. Included in incumbent training are professional development classes, quarterly drills, and compliance related trainings. Record keeping, scheduling and management of all personnel spread throughout the three main islands of Maui County, are challenges faced by the training bureau.

Quarterly drills are based on national standards, and provide personnel with ongoing fundamental task level training for their respective positions. Every quarter the training bureau creates a quarterly drill schedule; Target Solutions is a new platform for these drills. (Strategic Initiative 1) Target Solutions has enabled the training bureau to provide lesson plans, safety plans,
task evaluation criteria, related Standard Operating Guidelines, and skill demonstration videos, all in one place.

The training bureau, under direction of the Assistant Chief of Operations, takes time to evaluate many critical factors, in order to choose a theme for each quarter. Emergency call volume, types of emergencies, overall performance at these emergencies, national standards of frequency of training, hazard potential, historical seasonal data, are just some of the critical factors that help to guide this decision. Some of the quarterly drill themes have included: Residential Fire Attack, Commercial Fire Attack, Vehicle Accident Response, Wildland Fires, FFI Skills Assessment, and FFIII Skills Assessment (in development).

The Training Bureau has been tasked with increasing the emphasis on Captain-led training. In the past, fire companies were brought together for training, with instruction coming from a cadre of subject matter experts. This method provides excellent instruction and practice for personnel, but this training method also has a negative effect on operations due to moving companies out of district. There are also sustainability concerns with financial expenses associated with cadre training. Additionally, the COVID-19 pandemic prevented many of the traditional methods of training. Fortunately, Captain-led Training was already being developed and re-emphasized. (Note: This training plan has been around for several years and is currently being improved upon.)

The Captain-led Training program is designed for the Captains (or Acting Officers) to be able to deliver training to his/her crews safely, proficiently with expected performance on similar emergency incidents. Lesson plans, safety plans, power points, videos, and other instructional material are created by subject matter experts, following industry accepted standards. Provided these materials, Captains (or Acting Officers) who have completed Fire Instructor I training are able to conduct drills in district with their crews, without incurrence of the additional financial expenses of the cadre system. This method of training also minimizes operational impact by keeping fire companies in district.

Incumbent training also includes MFD’s special operations companies, Hazmat and Rescue, which require personnel to be trained and certified in different disciplines to fulfill the operational capabilities of those companies. Personnel who may be temporarily assigned to these specialized companies are also trained to these levels to ensure the best quality of service is provided for the community.

**Standard Company Evolutions**

Standard Company Evolutions (SCE) are the next layer to improving Captain-led Training. Evolutions will take place at fire stations in various geographic locations. SCE are based on the Department’s Standard Operating Guidelines (SOGs) and encourage understanding of standard company functions. This training method is intended to develop teamwork, communication, and trust between fire companies who are most likely to respond to emergency scenes together. It will be an ongoing goal of the Training Bureau to conduct SCE at least annually, with the hope of conducting them twice a year in the future. Earlier this year a multi-vehicle accident scenario was
created to practice medical treatment, triage, auto-extrication and stabilization skills. Thank you to Hammer Head Metals for providing the training location and recycled vehicles used in this training.

Evaluation teams will set up scenarios and score each fire company in decision making, skills proficiency, safe practices, and communication. The evaluation team will consist of the on-duty Battalion Chief, members of the Training Bureau, cadre members for the specific disciplines, and a Safety Officer. The evaluation team will give feedback to fire companies, and identify strengths, weaknesses, and any gaps in the training program.

**Standard Company Assessments**

Starting FY2022, Quarterly Drills, were adjusted to create assessments. The goal of the assessments is to objectively collect data that will emphasize areas of strength and weakness, and will be used in the decision making process to determine subsequent training topics. “When performance is measured, performance improves. When performance is measured and reported back, the rate of improvement accelerates.” Pearson’s Law (Karl Pearson)

The assessments are task-level drills, based on job performance requirements found in NFPA standards and MFD position descriptions. The assessment process is still in the initial development stage, and will be created to accomplish the following objectives:

1. Assessment of standard skills at every level will ensure personnel self-evaluate, practice, and maintain core skills required of each position.
2. Assessment and task books will demonstrate personnel readiness to perform as a TA/AO. This completed assessment for the next level should become part of professional development plan, and be a requirement to take promotional exams or to accept assignment as a TA/AO.
3. To better prepare personnel for promotion, by assessing the skill set required of the higher position.

**Internship Program**

The Training Bureau has made major changes to the Department’s Internship Program during FY 2020. The internship is now offered in three different programs with the participant in mind.

Program # 1: This program is intended for high school age students in need of community service. Selected candidates will report to the Training Bureau, and will be tasked with activities including filing, data processing, record keeping, and other clerical needs. Included with this program will be a brief introduction to the fire service. Program lengths vary based on the student’s required community service hours.

Program # 2: This program is intended for high school and college age students with an interest in journalism or graphic design. Selected candidates will report to the Training Bureau and will assist with the Quarterly Training Magazine. This will include design, photography, writing, and other duties related to publishing a magazine. Participants will have deadlines that they will
be required to meet. The length of the program is approximately three months based on the quarterly system (i.e. January – March, April – June, July – September, and October – December).

Program # 3: This program is intended for high school or college age students who are interested in becoming a career firefighting. Participants will learn the following over varying periods of time pending the Training Bureau calendar.

1. Observe and participate in recruit physical conditioning when a recruit class is in progress
2. Learn how to apply for a position with the County of Maui, Department of Fire & Public Safety
3. Observe and participate in incumbent training, when available
4. May earn CPR and First Aid certification
5. Learn fire department structure including an introduction to Fire Prevention, Health & Safety, and Training Bureaus
6. Participate in station duties including yard day, facility, and apparatus cleaning
7. Participate in simulated interview for employment, includes feedback by interviewers

Participants who complete any of the programs mentioned above will receive a Certificate of Completion from the County of Maui, Department of Fire & Public Safety. During FY 2021, the Department selected two (2) high school aged participants for Program 3.

These interns were able to complete 175 hours of training as their summer break lined up with the training schedule and recruit class. In addition to the valuable skills, they received a Certificate of Completion recognizing the effort and hard work showed during their summer vacation. These interns were the first participants of Program 3 since revamping of the internship program and experienced the following:

- Observe wildland live burn training
- Tour and introduction of all department bureaus including Fire Prevention, Health & Safety, and Training
- Given guidance on how to become a firefighter (i.e. employment process, etc.)
- Participation in a mock-interview with the Assistant Chief of Operations
- Spent a day at two different fire stations to gain insight on the day-to-day operations
- Trained and gained certification in CPR and First Aid
- Assisted with the set-up and participated in the Rescue Agility Test
- Participated in Recruit Class 36 daily physical conditioning

It was a great experience for both young men, who are excited and focused on becoming firefighters. We hope to be able to provide this experience to more of our community members in the future.

Quarterly Training Magazine

The Training Bureau uses the Quarterly Training Magazine as a means of communicating national trends in the fire service, new techniques, training opportunities, and leadership concepts. The magazine is the responsibility of the Incumbent Trainer. A new section that will appear in a future issue will be a report from our Fire Apparatus Driver Operator Program (FADOP). The goal
of this section will be to share near miss and vehicle accident data, in the hopes of improving the safety of our operations.

**Drill Schedule**

The drill schedule is meant to be training which is organized, delivered, and evaluated at the company level by the Company Commander. The drill schedule is aligned with the appropriate NFPA professional qualification standards and therefore is a minimum requirement for the disciplines we are responsible for and represents the foundation of everything we do. The drill schedule aligns with the following NFPA standards:

2. NFPA 1001, Fire Fighter Professional Qualifications
3. NFPA 1002, Fire Apparatus Driver/Operator Professional Qualifications
4. NFPA 1006, Technical Rescuer Professional Qualification
5. NFPA 1021, Fire Officer Professional Qualifications

**Maui Fire Joint Training Center (MFJTC)**

In a joint relationship with State of Hawaii Airport Rescue Fire Fighters (ARFF), we have secured a property close to the airport to do most of our hands on training. The MFJTC is approximately four fenced acres with an approximately 8,000 square foot building on site. The MFJTC houses a 2,000+ square foot burn structure, fabricated with forcible entry doors, a combustible flat roof for vertical ventilation operations, and multiple rooms for search and rescue. The MFJTC also houses various portable forcible entry, ventilation, fire control, rescue and extrication props to provide realistic training to department personnel. The training center is complete with a locker room and kitchen facilities as well as a fitness center. Recruit training is conducted primarily at the MFJTC and has been invaluable toward preparing new recruits for firefighting. The MFJTC is also available to all companies, by way of request through their Battalion Chief. The MFJTC has allowed us to conduct realistic hands on training that prepare our firefighters for the high-risk tasks of firefighting.

Last year’s renovation of the MFJTC has reached majority completion. MFD Training is slowly moving back into this facility. Thank you to the State of Hawaii for investing and upgrading this facility. Some of the upgrades are a larger workout area, improved security, more office and classroom space, and air conditioning in the classrooms. Thank you to the US Army Reserve Engineering Team, who recently used a training deployment to help build training props at the MFJTC. Thank you to Goodfellow Brothers Incorporated, who have provided logistical help, moving and setting container props.

MFD was able to purchase 2 20foot containers to be used in the live burn portion of the MFJTC. Members of the FGO (Fire Ground Operations) Cadre, were able to fabricate these containers into usable live fire demonstration props.
There are plans to extend the MFJTC approximately adding 30% more training area. The US Army Reserve Engineering group recently assisted the expansion by clearing of the land adjacent to the current facility.

**Outside Services Provided by Training Bureau**
Besides the various and multiple training programs, drills, exercises and testing that this Bureau provides, there is a significant need for our expertise in areas outside of our department.

- ICS 100 and 200 is an on-going training provided to Lifeguard and Police personnel as needed.
- First Responder Operations (FRO) training is provided to the Maui Police Department.
- Seats in our certification courses are always made available for personnel employed by the County, State, and other jurisdictions such as City and County of Honolulu, Hawaii County, etc.
- MFD is planning to participate with the State Airport Fire Department and AMR in a triennial plane crash simulation.
- MFD is in initial planning phases to conduct training with USCG, US Army Reserves, and Ocean Safety Bureau (Strategic Initiative 2)
- MFD has integrated some the common mandatory training with the Ocean Safety Bureau, starting with CPR and EMR annual compliance training.

**NFA Sponsored Off-Campus 2-Day Programs**
The National Fire Academy provides courses to fire departments across the nation. These courses are usually taught by retired Fire Chiefs who have a wealth of knowledge to share. These courses vary from terrorist type incidents to “bread and butter” operations. This year’s class is from the executive skills category, and focuses on exercising leadership through difficult conversations.

**Training Programs**

**All-Hazards Incident Management Team (AHIMT)**
AHIMT training focuses on managing incidents that extend into multiple operational periods and require a written Incident Action Plan (IAP). These incidents can include weather-related disasters such as a hurricane, earthquake, or flood; a joint law enforcement operation; public health emergency; or a planned exercise or event. A county Type 3 team, made up of various government and private organizations, was assembled and has been involved in multiple training opportunities to increase proficiency and team cohesion. AHIMT courses are made possible through the State Homeland Security Grant, which pays for materials, equipment, and OT expenses.

**Blue Card Command**
Blue Card Command is a computer based simulation training system that provides consistent and ongoing command and control training for our officers. All Officers and Acting Officers receive this training. Blue Card training has proven valuable in several structure fires since introduced to the department. This command system provides Officers with opportunities to exercise size up of
structures, resource and strategy determination, and communications. Increased command and control, contributes to improved safety and accountability at emergencies, and allows for better efficiency in chaotic situations. Captain Thomas Gann has done an excellent job running this program, and has worked with the training bureau to create new training for our department.

**Cardiopulmonary Resuscitation (CPR)/ Emergency Medical Responder (EMR)**

CPR and EMR refresher training happens annually and is required for all uniformed personnel. This training is composed of lecture and hands-on training. In-house instructors who are certified as CPR instructors and EMTs/Paramedics deliver this training. One of the training bureau’s performance measures, records the percentage of MFD uniformed personnel who are certified NREMT (National Registry of Emergency Technicians). Currently that percentage sits just above 50%. Target Solutions provides a platform for distance based learning, and hours of training can be credited towards annual recertification. Fire Fighter I Chris Stankis and Fire Fighter III John Devlin manage MFD’s CPR and EMR programs. These program directors have introduced new equipment such as Zoll AED with feedback, and new techniques like high performance CPR to our department.

**Fire Apparatus Driver Operator Program (FADOP)**

The FADOP program is separated into 3 categories: FADOP 1A (vehicle operation and driving), FADOP 1B (Pump Operations), and FADOP 1C (Aerial Operations). Refresher training for all parts of FADOP are assigned through the Quarterly Drill Schedule, Standard Company Evolutions, and Standard Company Assessments.

- FADOP 1A is managed by Captain Kaleo Kealoha. All personnel get certified in MFD FADOP 1A during recruit class. This is one of the first skills learned in recruit class, and also one of the most important ones. It does not matter how good any of the other firefighting skills are if MFD does not operate the vehicles safely to emergency scenes.
- FADOP 1B is managed by Fire Fighter III Dane Paecheco. FADOP 1B is a MFD certification that is taught after personnel have completed their initial employment probation. FADOP 1B prepares personnel to operate the fire pumps on the various apparatus, this task requires many hours of practice in order to become proficient.
- FADOP 1C is managed by Captain Jeffrey Watanabe and is currently in the development phase. This part of the operator program will focus on operation of our ladder trucks. The training bureau hopes to create a FADOP 1C Academy that will enable MFD to safely, optimize operations of its aerial apparatus.
Fire Ground Operations (FGO)
This program focuses on the tasks and tactics associated with both commercial and residential structure fires which include forcible entry, rescue, fire control, ventilation, etc. Majority of our FGO training is completed at the Maui Fire Joint Training Center, which houses our very own Class A burn structure. Our Department now has a “real” means to train on fire behavior in a compartment, tactical ventilation, fire growth indicators, and appropriate fire control methods. There is simply no substitution for Live Fire Training to coordinate the tasks and teamwork needed for safe and successful structural firefighting. MFD’s FGO program is currently managed by Captain Chad Sambrano.

Fire Ground Survival/ Rapid Intervention Team (FGS/RIT)
This course teaches rapid intervention skills in three stages: Firefighter Survival, Firefighter Rescue and Rapid Intervention Team Operations. These techniques include a head-first ladder slide, rope slide bailout, negotiating wire entanglement, escaping through a restricted breach, two person drags, carries, team search-rescue, packaging and rescue of a downed firefighter. MFD’s FGS/RIT program is managed by Captain Roger Agdeppa.

Hazardous Material First Responder Operations (HazFRO)/ Hazmat Incident Commander
First responders at the operations level are individuals who respond to releases or potential releases of hazardous substances and are trained to respond in a defensive fashion without actually trying to stop the release. Their function is to contain the release from a safe distance, keep it from spreading, and prevent exposures. All firefighters are certified at the first responder operations level and are required to go through an 8-hour annual refresher. MFD’s HAZMAT program is managed by Captain Chad Pacheco, Captain Greg Jenkins (recruit instruction), and Fire Fighter III Alika Apana (incumbent instruction).

Helicopter Awareness/ Operations
The Department continues to use helicopter operations for both firefighting and rescue operations. While the use of air assets allows for effective and efficient operations, it is always considered a very high risk discipline for obvious reasons. Windward Aviation pilots and our trained Heli Ops Cadre provide instruction for this high risk discipline for all personnel. MFD’s Helicopter Awareness/Operations program is managed by Fire Fighter III Kanoa Shannon.

Ocean Rescue Awareness/ Operations
The ocean environment here in Maui County can be as dangerous as it is beautiful. Our Ocean Rescue Instructor Cadre provides training to all personnel which addresses surface and surf rescue techniques. The skills taught in this course were based on U.S. Lifeguarding Association
recommendations. Most training days are conducted for on-duty companies within their home districts. MFD’s Ocean Rescue program is managed by Captain Kapala Novikoff.

**Rescue Systems**
Natural disasters such as hurricanes and tsunamis are a constant threat to our community here in Maui County. In FY 17, MFD certified an instructor cadre to teach the disciplines of structural search and extrication in collapse situations. MFD’s Rescue Systems program is managed by Captain Lawrence “Jamie” Joyo.

**Rope Rescue**
Refresher training incorporating advance skills to meet the National Fire Protection Association NFPA 1006 standards is provided to the Department through the Rope Rescue Instructor Cadre. Select engine companies, who usually are first on scene, receive 8 hours of Rope Rescue Operations level training covering NFPA 1006 standards, which include size-up for rope rescue incidents, anchoring principles, set up and operation of edge, belay and mainlines. It also covers low angle litter rigging and operations. Rescue 10 personnel go through more extensive Rope Rescue Technician level refreshers. MFD’s Rope Rescue Program is managed by Captain Peter Vanderpoel.

**Rescue Boat Operations**
Rescue Boat Operations include maneuvering in high seas, towing, docking, GPS, etc. Companies that house a rescue boat and are responsible for rescue boat operations go through a State of Hawaii approved boating safety course and USCG rules of the road. Quarterly drills are also occasionally assigned to review basic boat operations and procedures. MFD’s Rescue Boat Operations program is managed by Fire Fighter III Dennis Swain. This cadre has been working to update the entire program. All companies with a rescue boat will be scheduled for this training. MFD has rescue boats at Kahului, Lahaina, and Kaunakakai fire stations.

**Rescue Water Craft (RWC)**
Safe successful operation of a rescue watercraft takes arduous training. During recruit class, all personnel must complete a 3-day rescue watercraft training. We currently have RWC at stations in Hana, Ho’olehua, Kaunakakai, and Kahului. An 8-hour refresher course is typically conducted annually. Fire Fighter I Marlon Lewis manages this program.
**Vehicle Extrication**

Vehicles are manufactured differently with new challenges and risks. Our vehicle extrication cadre is highly trained and has done a great job teaching our department the new techniques, hazards, and considerations with vehicle extrication. There are an increased number of hybrid and electric vehicles on Maui County roadways. While they may save vehicle owners money at the gas pump, many of the new technologies pose increased risk to rescuers. Developing training to keep responders safe when encountering high voltage batteries and new vehicle safety devices are examples of research topics for this program. Captain Alma Aiwohi manages this program.

**Wildland**

Wildland refresher training is delivered through assigned quarterly training to meet wildland training objectives, which include entrapment avoidance, current issues, fire shelter, and safety issues. All online personnel go through this refresher as part of the quarterly drill schedule. The Department had an opportunity to conduct “live fire” wildland training on Molokai this year.

In an effort to increase our wildland capabilities, a member of the Wailea community made a generous donation of $80,000, which paid for an off-road mule, trailer, fire pumps, and 3,000 gallon portable water tank. This vehicle will allow better access and quicker response to hard to reach off-road areas, and is currently housed at the Wailea Fire Station. Captain Alexander “Sandy” Parker and Battalion Chief Steven “Hapa” Thyne manage this program.
Special Operations

Hazardous Materials
Hazmat personnel assigned to HAZMAT 10 maintain skills proficiency and consistency by completion of the HAZMAT drill schedule. The HAZMAT drill schedule includes fundamental skills refreshers on core competencies with HAZMAT response.

HAZMAT 10 personnel are certified confined space technicians and complete 8-hour refreshers to maintain technician status. HAZMAT 10 personnel are also fulfilling the responsibilities of a “support” company at building fires and therefore complete advanced “truck operations” training, which includes tactical ventilation, forcible entry, laddering, and search and rescue.

Technical Rescue
Rescue 10 personnel must maintain skill proficiency and consistency by completion of the Rescue drill schedule. The rescue drill schedule includes fundamental skills refreshers on all technical rescue disciplines.

Rescue personnel complete 16 hours of rope rescue training annually. Focus is on advanced techniques, which included basket tending, edge transitions, anchoring systems, etc. In-house instructors deliver this training to rescue personnel. Each rescue shift is allotted one hour per quarter to train with the helicopter. All training and scheduling are scheduled by the rescue company commanders.

In preparation for surf emergencies, rescue personnel complete an 8-hour refresher training with the rescue water craft and an 8-hour refresher training on the rescue boat. These refresher trainings focus on advanced techniques and are delivered by in-house instructors. Ongoing training for surf rescue emergencies are also coordinated by rescue company commanders.

Rescue personnel are all certified at the Public Safety Diver level and maintain proficiency by completing the required six dives per year. Divers also completed their annual watermanship evaluation and deep dives. The watermanship evaluation is comprised of a timed 500-yard swim, 800-yard fin kick, a 15-minute water tread and a 100-yard inert diver tow. All of these events are conducted with no more than a 15-minute rest between them.

Rescue personnel are certified confined space technicians and complete an annual 8-hour renewal training to maintain technician status.

Future planned training to include heavy vehicle rescue & extrication training. Rescue 10 personnel are also fulfilling the responsibilities of a “support” company at building fires and therefore complete advanced “truck operations” training, which includes tactical ventilation, forcible entry, laddering, and search and rescue.
Pro Board Certifications

Pro Board certification from an accredited entity is a statement of success. It is an indisputable mark of performance belonging to individual fire service professionals. Each successful candidate for certification knows that he or she has been measured against peers and meets rigorous national standards. Certification affords the individual a uniformity and portability of qualifications. In addition, the credibility of an organization is enhanced by having members certified to national consensus standards. The Maui County Fire Department, under delegated authority from the State of Hawaii DOT-A, offers the following Pro Board certifications.

Firefighter I and II
Certification at the Firefighter I and II levels equate to 14 weeks of firefighter training which equate to approximately 560 hours. This is part of a 28-week firefighting school that firefighter recruits go through. These certifications are the fundamental building blocks for the firefighting profession.

Fire Instructor I
Fire Instructor I’s are generally responsible for teaching courses from supplied lesson plans, adapting those lesson plans as appropriate, managing the class environment, administering exams and completing training records. Fire Instructor I is a foundational component to building strong fire service officers. This course is offered annually by qualified personnel to teach MFD personnel.

Fire Inspector I
This course is primarily designed for those entering into fire service inspections and is extremely useful to inspectors and company level officers. Some of the topics covered in this course include: Building Construction, Decorative Materials and Furnishings, Fire Drills, Inspection Procedure, Code Enforcement, and Fire Alarm and Communications. This course is a foundational course for company officers. All of our fire inspectors are certified at this level and above.

Fire Officer I
The Training Bureau offered a Fire Officer I course in October and certified 20 of our personnel. This course introduces basic concepts of management and supervision by concentration on such topics as: organizational structure, communication skills, human resource management, public relations, planning, emergency service delivery and safety. The curriculum identifies the performance requirements necessary to perform the duties of a first line supervisor.

Other Certifications

The following certifications are also offered to department personnel. The various certifications have curriculum from different authorities of that field. Qualified In-house instructors certify personnel in the different disciplines. These certifications are also part of a professional development plan that prepares personnel to operate proficiently at the different ranks and positions.

Rope Rescue Technician
A Rope Rescue Technician 70-hour course has been developed specifically for rescue, hazmat, and temporary assigned rescue personnel. This course fulfilled the operational capability for a
Public Safety Diver
Five Rescue personnel completed this 40-hour course and were certified at this level by qualified in-house instructors.

Public Safety Diver Survival
Rescue 10 personnel and personnel temporarily assigned to rescue complete this 16-hour course and are certified at this level by qualified in-house instructors.

Dive Rescue Specialist I
Rescue 10 personnel and personnel temporarily assigned to rescue complete this 24-hour course and are certified at this level by qualified in-house instructors. Captain Peter Vanderpoel leads the MFD dive and rope rescue programs.

Confined Space Rescue Technician
This course is a 40-hour IAFF Confined Space Rescue Technician Program. In order to maintain “Active” status as a Confined Space Rescue Technician, OSHA requires an annual eight-hour renewal training class. MFD maintains 33 personnel as CSR technicians. Fire Fighter II Shane Adolpho is the program director for confined space operations.

ICS 300/ ISC 400
ICS 300 is an intermediate ICS course that teaches how the NIMS Command and Management component supports the management of expanding incidents and the process for expanding incidents and supervisors as prescribed by the Incident Command System (ICS). ICS focuses on the incident/event management process for large-scale organization development, roles and relationships of the primary staff; the planning, operational, logistical and fiscal considerations related to large and complex incident/event management, and implementation of Area Command and the importance of interagency coordination on complex incidents. MFD’s ICS program is managed by Fire Fighter II Jon Duncan.

Hazardous Materials Technician
The Hazardous Materials Technician course is an 80-hour class focusing on the relationship of incident priorities, strategies, and tactics as they relate to implementing safe procedures for alleviating the risk at an accidental or intentional hazardous materials incident. It concentrates on integrating risk-based decision making and knowledge about hazardous materials chemistry, storage, transportation and release scenarios. Personnel are certified at this level by outside instructors. All Hazmat 10 personnel are certified at the technician level.

MFD Safety Officer
MFD has made a conscious effort to increase the safety of its personnel, by creating this certification training. The Safety Officer Program focuses on hazard recognition, personnel safety
and injury prevention. There are multiple components of this MFD certification. All personnel were assigned and have completed an 8-hour safety officer awareness level training. A select group who demonstrated interest for the subject went on to take an additional 2-day safety officer operations level training. This is followed with a 1-day of field training, giving safety briefings, and acting as a safety officer for training evolutions. In addition to the obvious goal of increasing fire fighter safety, MFD plans to have a dedicated safety officer at every multi-company training event and every major emergency incident. Fire Fighter III Anthony Twarowski manages this program for MFD.

Mental Health Awareness
Continuing with the theme of keeping our personnel safe, this administration has put emphasis on the health, well-being, and morale of department members. Acknowledging that mental health is a key component of overall wellness, this training starts the discussion on difficult topics like fire fighter suicide and depression, and teaches members how to recognize and cope with the stresses of our profession. Students also learn about the many options that are available to help them. The team of Fire Fighter IIIs managing this program include Nohea Williams, Jack Smith, and Anthony Twarowski. This program will be provided to all employees.
OCEAN SAFETY BUREAU
21 KINPOPO STREET
WAILUKU, HI 96793

Operations Manager Cary Kayama
Training OSO III Jonathan Kaneshina
OS Training Captain Chantelle Brown
Staff Services Assistant Emme Cabacungan
Battalion Chief Jeffrey Giesea
WEST DISTRICT
OSO II Hans Buetzer
OSO II Ryan Cabrera
OSO II Robert Garcia
OSO II Jasen Garguilo
OSO II Bryce Jacinto
OSO II Dustin Kuailani
OSO III Jeffry Lombardi
OSO II Jordan Ng
OSO IV Bradford Quinto
OSO III Michael Ritter
OSO II Alfred Verney

NORTH DISTRICT
OSO II Anthony Ancog
OSO II Kaleiokachukai Awo
OSO II Joao Batista
OSO IV Timothy Keola Brown
OSO II William Bunch
OSO II Kevin Cabrera
OSO II Anthony Colletta
OSO III Jacob Darr
OSO II Patrick Dasilva
OSO II Kainoa Duarte
OSO IV Zachary Edlao
OSO II Ryan Fuller
OSO II Randy Hillen
OSO II Kristan Ivary
OSO II Cody Kauhaahaa
OSO III Salvadore Leyva
OSO II Matthew Mercado
OSO II Ian Mufali
OSO II Kawika Nelson
OSO II Duane Pagan
OSO II Donniven Polendey
OSO II Jonah Romero
OSO II Chris Saito
OSO III John Seitz
OSO II Steven Williams

SOUTH DISTRICT
OSO II Glenn Arai
OSO II Kalaheo Barrows
OSO II Ryan Chong
OSO II Joshua Edlao
OSO II James Hernandez
OSO III Steven Kuailani
OSO II Howard MacPherson
OSO IV Jeffrey Meadows
OSO II Bowen Medeiros
OSO II Jay Panlasigui
OSO II Keoki Pfaeltzer
OSO II Darren Quinsaat
OSO II Terrance Shimada
OSO III Michael Sparling
OCEAN SAFETY BUREAU

Introduction

Since its inception in 1977 as part of the Department of Parks and Recreation through its adoption in 2016 under the Department of Fire and Public Safety, the Ocean Safety Bureau (OSB) has faithfully provided lifeguard services at selected beach parks on the island of Maui, along with a host of public education programs for its citizens and visitors. We currently provide lifeguard services at ten towers located at eight separate beach parks divided into four districts. The North District consists of Kanaha and Baldwin Beach Parks. The Ho’okipa district consists of two towers at Ho’okipa Beach Park. The South District consists of the three Kamaole Beach Parks, with one tower each. The West District consists of Hanakao’o and D.T. Fleming Beach Parks, also with one tower each. Our state-funded operations at Makena State Beach—including two towers and a rescue watercraft unit—were not in service this fiscal year due to lack of funding, but are set to reopen in the Fall of 2021. In addition to our beach operations, we have administrative offices located alongside the Wailuku Fire Station on Kinipopo Street, across from Wells Park, and maintain a section of warehouse at the department’s facility in Waikapu.

In its current iteration, the OSB is headed by a Battalion Chief of Ocean Safety—a.k.a. BC-7—who works with and oversees an Operations Manager, Staff Services Assistant, a training captain, four district captains, eight beach lieutenants, one training lieutenant, and thirty-nine tower lifeguards. We have two half-time and six full-time vacancies, with a recruit class of five having just begun and another set to be underway before the end of the calendar year to fill remaining vacancies and provide staffing for the resumption of service at Makena State Beach Park.

Highlights

Administration

The COVID-19 pandemic continued to “make waves” for Ocean Safety Administration, with many projects and proposals being curtailed, altered or postponed due to pandemic-related
restrictions and budgetary constraints. Nonetheless, the year saw quite a few developments including:

- Conducted a new written entrance exam and physical performance test for Ocean Safety Officer candidates, which led to hiring the first recruit class in three years.
- Adoption of multiple new policies and procedures covering items such as leave, seniority, daily vehicle checks and associated documentation, beach park hazard notifications, modified special assignment, radio communications, PPE, mileage reimbursements, etc.
- Production of a Respiratory Protection Program in light of PPE recommendations to protect against COVID-19 and other infectious diseases.
- Production of a comprehensive policy and set of procedures for maintenance of minimum qualifications and annual physical performance testing (in revision).
- Procured and completed custom configurations for electronic incident reporting and data collection software. Acceptance testing is being conducted and training programs being developed prior to final implementation.

**Operations**

The following tables and their corresponding graphs illustrate the productivity we get from our officers. The data presented comes from our district captains who generate it from incident reports currently filed on paper by the Ocean Safety Officers responding to any given incident and providing the various forms of public service that we track. It is then processed and tabulated by our Operations Manager and finally put in this report by the Battalion Chief.

To aid in understanding the numbers and to appreciate the breadth of responses our Ocean Safety Officers provide, “Emergency Response” includes data captured under the following categories:

- First aid
- Rescues
- Resuscitation
- Drownings
- Surfing/SCUBA accidents
- Jump/dive accidents
- Ambulance assistance
- Fire department assistance
- Coast Guard assistance
- Police assistance
- Helicopter assistance
- Boat accidents
- Animal control
- Shark sightings
- Lost child incidents
- Assists using rescue watercrafts
The number included under “Preventative Actions and Public Safety Contacts” includes an estimation of the number of beachgoers who directly received education and instruction from lifeguards aimed at preventing them from needing emergency assistance in the first place. This includes primarily talking face-to-face with beachgoers and making announcements over the public address system, both of which are routine functions for our lifeguards. This is not something “extra” that we do, but is one of our core functions, as by far the best way to save a life is to ensure it is not endangered to begin with.

Note that we anticipate within the next few months transitioning to electronic incident reporting and data management which will make the process of compiling and tabulating these statistics much easier and likely more accurate, and will enable us to track a wider variety of data points, including precise incidents locations, equipment used by beachgoers in need of rescue, and more. The more we know about how people are getting in trouble, the better we can understand why they are getting in trouble, and the more effective our efforts can be at keeping them safe.

Training
- Conducted three Rescue Watercraft Operator training courses to get all of our officers certified to function as operators
- Produced a comprehensive and updated recruit training curriculum
- Completed annual refresher training requirements that were put on hold in FY 2020 due to COVID-19 precautions. These include CPR, EMR, Open Water Lifeguard, etc.
- Administered annual physical performance for our incumbent officers
- Began Respiratory Protection training for all our officers in light of a new PPE recommendations regarding COVID-19
- Three Ocean Safety Officers through the department’s Fire and Emergency Service Instructor Training Program
- Produced multiple PSAs that aired over several radio stations during Beach Safety Week (September 20 – 26, 2020). These were aimed primarily at local residents, focusing primarily on how to participate effectively in the 9-1-1 emergency notification system, along with providing several beach safety tips.

Note: Due to pandemic precautions, in-person public safety education programs including Junior Lifeguard, were put on hold throughout fiscal year 2021.
# OCEAN SAFETY BUREAU

## TOTAL EMERGENCY RESPONSES PER DISTRICT BY QUARTER

<table>
<thead>
<tr>
<th>District</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
<th>TOTALS</th>
</tr>
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<tbody>
<tr>
<td>Ho'okipa</td>
<td>47</td>
<td>110</td>
<td>39</td>
<td>80</td>
<td>276</td>
</tr>
<tr>
<td>North</td>
<td>84</td>
<td>93</td>
<td>207</td>
<td>130</td>
<td>514</td>
</tr>
<tr>
<td>South</td>
<td>44</td>
<td>102</td>
<td>71</td>
<td>141</td>
<td>358</td>
</tr>
<tr>
<td>West</td>
<td>50</td>
<td>139</td>
<td>294</td>
<td>289</td>
<td>772</td>
</tr>
<tr>
<td>TOTALS</td>
<td>225</td>
<td>444</td>
<td>611</td>
<td>640</td>
<td>1,920</td>
</tr>
</tbody>
</table>

## FY 2021 TOTAL EMERGENCY RESPONSES BY QUARTER

- **Ho'okipa**
  - 1st Quarter: 47
  - 2nd Quarter: 110
  - 3rd Quarter: 39
  - 4th Quarter: 80
  - TOTALS: 276

- **North**
  - 1st Quarter: 84
  - 2nd Quarter: 93
  - 3rd Quarter: 207
  - 4th Quarter: 130
  - TOTALS: 514

- **South**
  - 1st Quarter: 44
  - 2nd Quarter: 102
  - 3rd Quarter: 71
  - 4th Quarter: 141
  - TOTALS: 358

- **West**
  - 1st Quarter: 50
  - 2nd Quarter: 139
  - 3rd Quarter: 294
  - 4th Quarter: 289
  - TOTALS: 772

## FY 2021 TOTAL EMERGENCY RESPONSES BY DISTRICT

- **1st Quarter**
  - Ho'okipa: 47
  - North: 84
  - South: 44
  - West: 50
  - TOTALS: 225

- **2nd Quarter**
  - Ho'okipa: 110
  - North: 93
  - South: 102
  - West: 139
  - TOTALS: 444

- **3rd Quarter**
  - Ho'okipa: 39
  - North: 207
  - South: 71
  - West: 294
  - TOTALS: 611

- **4th Quarter**
  - Ho'okipa: 80
  - North: 130
  - South: 141
  - West: 289
  - TOTALS: 640

- **TOTALS**
  - Ho'okipa: 276
  - North: 514
  - South: 358
  - West: 772
  - TOTALS: 1,920
# OCEAN SAFETY BUREAU

## TOTAL PREVENTATIVE ACTIONS PER DISTRICT BY QUARTER

<table>
<thead>
<tr>
<th>District</th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
<th>TOTALS</th>
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<tbody>
<tr>
<td>Ho'okipa</td>
<td>23,734</td>
<td>25,976</td>
<td>25,877</td>
<td>28,691</td>
<td>104,278</td>
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<tr>
<td>North</td>
<td>11,336</td>
<td>16,035</td>
<td>14,261</td>
<td>18,868</td>
<td>60,500</td>
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<td>South</td>
<td>36,313</td>
<td>46,751</td>
<td>50,080</td>
<td>57,154</td>
<td>190,298</td>
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<tr>
<td>West</td>
<td>26,320</td>
<td>31,194</td>
<td>31,483</td>
<td>37,378</td>
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<td>142,091</td>
<td>481,451</td>
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## FY 2021 TOTAL PREVENTATIVE ACTIONS BY QUARTER

- **1st Quarter**
  - Ho'okipa: 23,734
  - North: 11,336
  - South: 36,313
  - West: 26,320
- **2nd Quarter**
  - Ho'okipa: 25,976
  - North: 16,035
  - South: 46,751
  - West: 31,194
- **3rd Quarter**
  - Ho'okipa: 25,877
  - North: 14,261
  - South: 50,080
  - West: 31,483
- **4th Quarter**
  - Ho'okipa: 28,691
  - North: 18,868
  - South: 57,154
  - West: 37,378

## FY 2021 TOTAL PREVENTATIVE ACTIONS BY DISTRICT

- **Ho'okipa**
  - 1st Quarter: 23,734
  - 2nd Quarter: 25,976
  - 3rd Quarter: 25,877
  - 4th Quarter: 28,691
- **North**
  - 1st Quarter: 11,336
  - 2nd Quarter: 16,035
  - 3rd Quarter: 14,261
  - 4th Quarter: 18,868
- **South**
  - 1st Quarter: 36,313
  - 2nd Quarter: 46,751
  - 3rd Quarter: 50,080
  - 4th Quarter: 57,154
- **West**
  - 1st Quarter: 26,320
  - 2nd Quarter: 31,194
  - 3rd Quarter: 31,483
  - 4th Quarter: 37,378
BATTALION CHIEFS
200 DAIRY ROAD
KAHULUI, HI 96793

Henry Lindo
BC1

William Barut
BC2

Steven Thyne
BC3

Kaulana Kino
BC4

Kristopher Sakamoto
BC5

Guy Danley
BC6
WAILUKU FIRE STATION

21 Kinipopo Street
Wailuku, HI 96793

A WATCH
FF I Nathanael Ham, FF III Joseph Blackburn, Captain Jay Fujita,
FF I Jeremy Evert, and FF I Bryan Calvan

B WATCH
FF I Tyler Orikasa, FF I Michael Kalalau, Captain Lee Theros,
FF III Ryan Short, and FF I Ian Pascua

C WATCH
FF I Micah Chavez, FF I Lee Moyers, Captain Modesto Jacinto,
FF III Dane Pacheco, and FF I Jeremy Loque
LAHAINA FIRE STATION
ENGINE COMPANY
1860 Honoapiilani Highway
Lahaina, HI 96761

A WATCH
FF I Matthew Wilburn, FF I Keahi Ho, FF III Kyle Williams,
Captain Peter Gand, FF III Kalani Nicholls, and FF I Mahonri Aiwohi

B WATCH
FF I Chad Johnson, FF I Isaiah Guth, FF III Micah Palmerton,
FF I Steven Graver, FF III Christian Casco, and Captain Reza Azman

C WATCH
FF I Andrew Perry, FF III Steven Schafer,
Captain Michael Howe, and FF III Greg Shinyama
Missing: FF I Chad Tokunaga and FF I Carson Chihara
LAHAINA FIRE STATION
LADDER COMPANY
1860 Honoapiilani Highway
Lahaina, HI 967961

A WATCH
FF I Chayce Tancayo, FF I Koa Bonnell, and FF I Justin Aubrey
Missing: Captain Timothy Herrick and FF III La’akea Chang

B WATCH
Captain Peter Davis, FF III Jacob Souki, FF I Travis Texeira,
FF I Kona Sarmiento, and FF I Kenneth Puaa

C WATCH
FF I Jonathan Varona, Captain Geoffrey Bogar,
FF III Edwin Barrett, and FF I Joshua Guth
KAUNAKAKAI FIRE STATION
230 Kakalahale Street
Kaunakakai, HI 96748

A WATCH
FF III Dana Anderson, Captain Sean Simon, FF III Kenhart Tancayo
FF I Daniel Silvestre, and FF I Tyson Santiago

B WATCH
FF I Shaun Walsh, FF III Richard Alcon, Captain Nathan Oshiro,
FF I Daniel Place, and FF I Kendall Willing

C WATCH
FF I Darrell Aea, FF III Kahiwa McVay, Captain Lokahi Herrod,
FF III Jason Gamiao, and FF I Charles Puua-Spencer
MAKAWAO FIRE STATION
134 Makawao Avenue
Makawao, HI 96768

A WATCH
FF I Jarrett Sakamoto, FF III Garren Oura, Captain Todd Teraoka,
FF I Brent Barbero, and FF I Dustin Lau

B WATCH
FF I Kaikane Beam, FF I Thomas Devereux, Captain Nelson Saribay,
FF III Darrin Almeida, and FF I Micah McDonald

C WATCH
FF I Mark Walker Jr., FF III Matthew Mann,
Captain Uilani Gomes, and FF I Micah Notestone
KIHEI FIRE STATION
11 Waimahaihai Street
Kihei, HI 96753

A WATCH
FF III Aaron Kahaloa, FF I Christopher Stankis, FF I Tanner Mosher,
FF I Bryan Pali, and Captain Michael Mullalley

B WATCH
Captain Gavin Fujioka, FF III Nohea Williams,
FF I James Case, and FF I Jonathan Takitani

C WATCH
Captain Scott Martin, FF I Ryan Murakami,
FF I Tre Evans-Dumaran, and FF III Jeremey-Bo Irvine
Missing: FF I Michael Neubauer
HANA FIRE STATION
4655 Hana Highway
Hana, HI 96713

A WATCH
FF I Daryl Boeche, FF III Carl Bertelmann,
FF I Chad Woolley, and Captain Kaipo Kahai
Missing: FF I Brandt Saki

B WATCH
FF I Kamaui Aiona, Captain Jesse Aloy,
FF I Vance Pu, and FF III Scott Perry
Missing: FF I Jason Sanchez

C WATCH
FF I Jacob Wolfson, FF I William Tackaberry, Captain Gale Notestone,
FF III Reed Arisumi, and FF I Kapena Kalehuawehe-Gomes
LANAI FIRE STATION
1345 Fraser Ave
Lanai City, HI 96763

A WATCH
FF III Nathan Nishiki, FF III Mark Cluney,
FF I Dennis Walsh, and Captain Zachary Crowder
Missing: FF I Christopher Pico and FF I Aina Kohler

B WATCH
FF III Eric Baldeviso, FF III Andrew Kittelson, Captain Roderick Quintana,
FF I Clayton Sado, and FF I Michael Carter

C WATCH
FF I Terry Gumz, FF I Steven O’Donnell,
Captain Jerry Javier, and FF I Ryan Watanabe
Missing: FF III Darlan Corpuz and FF III Ryan Higa
C WATCH
FF III Nathan Horner, Captain Jorgen Busby,
FF I Jordan Boswell, and FF I Thomas Heen
Missing: FF I Reyford Stone

HOOLEHUA FIRE STATION
2190 Farrington Avenue
Hoolehua, HI 96729

A WATCH
FF I Jarron Boswell, FF I Kiel White, Captain John Rosa,
FF III Isaiah-Futol Bicoy, and FF I Noa John Horner

B WATCH
FF I Cameron Layer, FF I Aaron Griffith, Captain James Boswell,
FF I James Puaa Spencer, and FF III Noa Kalanihuia

C WATCH
FF III Nathan Horner, Captain Jorgen Busby,
FF I Jordan Boswell, and FF I Thomas Heen
Missing: FF I Reyford Stone
KAHULUI FIRE STATION
ENGINE COMPANY

200 Dairy Road
Kahului, HI 96732

A WATCH
FF I Lawrence Joyo, FF I Joseph Landi, FF I Nathan Cadman,
FF III Nikolai Reuss, FF III Ross Cluney, and Captain Thomas Gann

B WATCH
FF I Justin Arruda, FF III Ray Watanabe, FF III Matthew Akiona,
FF I Rocky Keawekane, FF I Keali‘i Murray, and Captain Peter Vanderpoel

C WATCH
FF III Kodi Shepley, FF I Joshua Galvan, FF I Vietnam Nguyen,
FF III Spencer Rodrigues, and Captain Alexander Parker
Missing: FF I Eli Ferreira
KAHULUI FIRE STATION
HAZMAT COMPANY
200 Dairy Road
Kahului, HI 96732

A WATCH
FF II John Tualemoso, FF II Nicholas Tanaka, FF III Wayne Tashiro, and FF II Joshua Naeole
Missing: Captain Gregory Jenkins

B WATCH
FF II Daniel Laferriere, FF II Bryan Staubitser, Captain Chad Pacheco, and FF III Ross Ohigashi
Missing: FF II Bradley Liu

C WATCH
FF II Keola Nakoa, Captain Maroe Smith, FF III Simeon Alo, and FF II Kai McLaughlin
Missing: FF II Shawn Kiesel
KAHULUI FIRE STATION
RESCUE COMPANY
200 Dairy Road
Kahului, HI 96732

A WATCH
FF II Jonathan Duncan, FF II Simon Quirk, Captain Kapala Novikoff,
FF II Tye Perdido, and FF III Dennis Swain

B WATCH
FF II Steven Warther, FF III Kanoa Shannon, FF II Shane Adolpho,
Captain Roger Agdeppa, and FF II Cory Palmeira

C WATCH
FF II Joshua Dukes, FF II Brandon Sturm, FF III Timothy O’Connor,
FF II Jerime Storey, and Captain Lawrence Joyo
NAPILI FIRE STATION

4950 Hanawai Place
Lahaina, HI 96761

A WATCH
FF I Luke Padgett, FF I Kelsey Manning,
FF III Kamuela Guth, and Captain Shawn Rogers

B WATCH
Captain Chad Sambrano, FF I Tasha Pagdilao,
FF I Dane Rogers, and FF III James Deatrick

C WATCH
Captain Henry Patao, FF III Russell Jones, FF I Chase Johnson,
FF I Robert-John Kukahiko, and FF I Nicholas Lawson
PUKOO FIRE STATION
8735 East Kamehameha V Highway
Kaunakakai, HI 96748

A WATCH
FF I Philip Kalipi and FF III Kaipo Poepoe

B WATCH
FF I La’akea Poepoe and FF III Cody Souza

C WATCH
FF III Lono Poepoe and FF I jay Duquette
KULA FIRE STATION
199 Calasa Road
Kula, HI 96790

A WATCH
Captain Patrick Shipman, FF III Troy Tendo,
FF I Alakai Akana, and FF I Kaulana Mossman
Missing: FF I Aaron Hughes

B WATCH
FF I Matthew Kinoshita, FF I Ryan Worcester,
FF III Beau Gaddis, and Captain Keola Robinson
Missing: FF I Kai Warman

C WATCH
FF III Parrish Purdy, Captain Kenyon Smith, and FF I Stephen Kroon
Missing: FF I Koa Hodgins
WAILEA FIRE STATION
ENGINE COMPANY
300 Kilohana Drive
Kihei, HI 96793

A WATCH
FF III John Teves, FF I John Van Scoy, FF I Carter Suzuki,
FF I Chad Leggett, FF III Bronson Pocock, and Captain Vernon Patao

B WATCH
Captain Alma Aiwohi, FF III Edmund Wong Leong, FF III Patrick Blackburn,
FF I Ikaika Neizman, FF I Richard Sato, and FF I Peter Kaina IV

C WATCH
FF I Matthew Paet, FF III Jack Smith, Captain Kaleo Kealoha,
FF I Brett Collett, and FF III Steven Haban
Missing: Nathan Fujimoto
WAILEA FIRE STATION
LADDER COMPANY
300 Kilohana Drive
Kihei, HI 96793

A WATCH
FF III Clifford Nakoa, FF I Seth Herrick, and Captain Tracy Nakagawa
Missing: FF I Avinash Singh

B WATCH
FF III Jerry Javier, Captain Jeffrey Watanabe, and FF I Kristian Nakamura
Missing: FF I Theodore Meyer and FF I David Kamalani

C WATCH
FF III Hans Dubach, FF I Ross Bisera, Captain Michael McDonald,
FF I Eleazer Bartolome, and FF I Kaunoa Hong
### FY 2021 ALARM SUMMARY

<table>
<thead>
<tr>
<th>Station</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
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<td>Wailuku</td>
<td>1,945</td>
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<tr>
<td>Paia</td>
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<tr>
<td>Lahaina</td>
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<tr>
<td>Molokai</td>
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<tr>
<td>Kihei</td>
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<tr>
<td>Hana</td>
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<tr>
<td>Lanai</td>
<td>104</td>
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<tr>
<td>Kahului Engine</td>
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<tr>
<td>Kahului Hazmat</td>
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<tr>
<td>Kahului Rescue</td>
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<tr>
<td>Napali</td>
<td>104</td>
</tr>
<tr>
<td>Kula</td>
<td>104</td>
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### FY 2021 DOLLAR LOSS SUMMARY

<table>
<thead>
<tr>
<th>Station</th>
<th>TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wailuku</td>
<td>$1,699,920</td>
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<tr>
<td>Paia</td>
<td>$52,000</td>
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<td>Kihei</td>
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<td>Hana</td>
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<td>Lanai</td>
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<tr>
<td>Kahului Engine</td>
<td>$0</td>
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<tr>
<td>Kahului Hazmat</td>
<td>$0</td>
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<tr>
<td>Kahului Rescue</td>
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<tr>
<td>Napali</td>
<td>$45,388</td>
</tr>
<tr>
<td>Kula</td>
<td>$0</td>
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*Note: Alarm totals include multi-company incidents.*

*Note: Alarm totals include multi-company incidents.*

### STATION MONTHLY TOTALS

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<th>Month</th>
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<td>May</td>
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### STATION TOTALS

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### DOLLAR LOSS TOTALS

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</table>

*Note: Alarm totals include multi-company incidents.*

*Note: Alarm totals include multi-company incidents.*
## WAILUKU FIRE STATION

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

<table>
<thead>
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<th>Month</th>
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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 138
- **August**: 148
- **September**: 143
- **October**: 163
- **November**: 154
- **December**: 188
- **January**: 157
- **February**: 180
- **March**: 174
- **April**: 174
- **May**: 174
- **June**: 175

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### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 1,809
- **2018**: 2,024
- **2019**: 2,038
- **2020**: 1,950
- **2021**: 1,945
## PAIA FIRE STATION

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 68
- **August**: 90
- **September**: 69
- **October**: 66
- **November**: 66
- **December**: 84
- **January**: 63
- **February**: 69
- **March**: 75
- **April**: 97
- **May**: 83

---

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 836
- **2018**: 813
- **2019**: 906
- **2020**: 855
- **2021**: 887
# LAHAINA FIRE STATION

## ENGINE ◆ LADDER

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

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### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

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# MOLOKAI FIRE STATIONS

## KAUNAKAKAI ♦ HO’OLEHUA ♦ PUKO’O

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- July: 74
- August: 72
- September: 60
- October: 101
- November: 60
- December: 61
- January: 67
- February: 77
- March: 61
- April: 67
- May: 68
- June: 67

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- 2017: 600
- 2018: 631
- 2019: 714
- 2020: 925
- 2021: 835
## MAKAWAO FIRE STATION

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 108
- **August**: 99
- **September**: 98
- **October**: 104
- **November**: 105
- **December**: 109
- **January**: 95
- **February**: 118
- **March**: 127
- **April**: 116
- **May**: 112
- **June**: 117

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 1,214
- **2018**: 1,313
- **2019**: 1,348
- **2020**: 1,338
- **2021**: 1,308

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### KIHEI FIRE STATION

#### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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#### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 98
- **August**: 100
- **September**: 81
- **October**: 88
- **November**: 93
- **December**: 113
- **January**: 111
- **February**: 106
- **March**: 111
- **April**: 145
- **May**: 133

#### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 1,226
- **2018**: 1,311
- **2019**: 1,418
- **2020**: 1,407
- **2021**: 1,303
## HANA FIRE STATION

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- July: 12
- August: 16
- September: 11
- October: 17
- November: 14
- December: 23
- January: 14
- February: 15
- March: 21
- April: 16
- May: 15
- June: 20

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- 2017: 191
- 2018: 205
- 2019: 227
- 2020: 219
- 2021: 194
## Total Number of Alarms Per Month – Five Year Comparative Summary

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### FY 2021 Total Number of Alarms by Month

- **July**: 10
- **August**: 11
- **September**: 11
- **October**: 14
- **November**: 4
- **December**: 14
- **January**: 15
- **February**: 14
- **March**: 19
- **April**: 24
- **May**: 14
- **June**: 16

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### Total Number of Alarms Five Year Annual Comparison

- **2017**: 149
- **2018**: 162
- **2019**: 154
- **2020**: 154
- **2021**: 163
### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- July: 59
- August: 76
- September: 59
- October: 64
- November: 75
- December: 85
- January: 56
- February: 76
- March: 92
- April: 48
- May: 92
- June: 91

![Bar chart showing monthly number of alarms in FY 2021](image)

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- 2017: 844
- 2018: 1,098
- 2019: 961
- 2020: 899
- 2021: 873

![Bar chart showing annual number of alarms from 2017 to 2021](image)
# KAHULUI HAZMAT COMPANY

## TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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**FY 2021 TOTAL NUMBER OF ALARMS BY MONTH**

- July: 78
- August: 58
- September: 30
- October: 46
- November: 37
- December: 99
- January: 87
- February: 62
- March: 97
- April: 94
- May: 58
- June: 94

**TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON**

- 2017: 809
- 2018: 773
- 2019: 957
- 2020: 869
- 2021: 830
## KAHULUI RESCUE COMPANY

### TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 58
- **August**: 78
- **September**: 96
- **October**: 135
- **November**: 133
- **December**: 74
- **January**: 105
- **February**: 75
- **March**: 94
- **April**: 103
- **May**: 107
- **June**: 78

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 868
- **2018**: 957
- **2019**: 1,041
- **2020**: 987
- **2021**: 1,136
NAPILI FIRE STATION

## TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- **July**: 36
- **August**: 36
- **September**: 38
- **October**: 56
- **November**: 44
- **December**: 61
- **January**: 72
- **February**: 69
- **March**: 69
- **April**: 67
- **May**: 82
- **June**: 89

### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- **2017**: 813
- **2018**: 826
- **2019**: 868
- **2020**: 750
- **2021**: 719
# KULA FIRE STATION

## TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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### FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

- July: 58
- August: 50
- September: 44
- October: 32
- November: 42
- December: 55
- January: 41
- February: 47
- March: 54
- April: 51
- May: 70
- June: 61

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### TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON

- 2017: 484
- 2018: 515
- 2019: 617
- 2020: 596
- 2021: 605
TOTAL NUMBER OF ALARMS PER MONTH – FIVE YEAR COMPARATIVE SUMMARY

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<td>112</td>
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<tr>
<td>March</td>
<td>87</td>
<td>80</td>
<td>130</td>
<td>95</td>
<td>124</td>
</tr>
<tr>
<td>April</td>
<td>67</td>
<td>94</td>
<td>117</td>
<td>50</td>
<td>167</td>
</tr>
<tr>
<td>May</td>
<td>66</td>
<td>128</td>
<td>134</td>
<td>64</td>
<td>150</td>
</tr>
<tr>
<td>June</td>
<td>61</td>
<td>112</td>
<td>109</td>
<td>78</td>
<td>159</td>
</tr>
<tr>
<td>TOTALS</td>
<td>815</td>
<td>1,407</td>
<td>1,492</td>
<td>1,258</td>
<td>1,309</td>
</tr>
</tbody>
</table>

FY 2021 TOTAL NUMBER OF ALARMS BY MONTH

TOTAL NUMBER OF ALARMS FIVE YEAR ANNUAL COMPARISON
County of Maui Fire Department Districts FY 2021 Calls for Service
<table>
<thead>
<tr>
<th>DIVISION</th>
<th>FY 2021 EXPENDITURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administration</td>
<td>$2,432,218.00</td>
</tr>
<tr>
<td>Fire Prevention</td>
<td>$1,057,429.00</td>
</tr>
<tr>
<td>Fire/ Rescue Operations</td>
<td>$32,222,308.00</td>
</tr>
<tr>
<td>Ocean Safety</td>
<td>$4,627,656.00</td>
</tr>
<tr>
<td>Training</td>
<td>$1,682,503.00</td>
</tr>
</tbody>
</table>
## FOUR YEAR EXPENDITURE SUMMARY

### ADMINISTRATION/ FPS COMMISSION PROGRAM

<table>
<thead>
<tr>
<th></th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Services</td>
<td>$1,211,365.00</td>
<td>$1,242,234.00</td>
<td>$1,425,391.00</td>
<td>$1,538,928.00</td>
</tr>
<tr>
<td>Other Current Expenses</td>
<td>$572,482.00</td>
<td>$588,308.00</td>
<td>$1,311,719.00</td>
<td>$765,622.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$2,570.00</td>
<td>$2,570.00</td>
<td>$34,965.00</td>
<td>$127,668.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$1,786,417.00</td>
<td>$1,833,112.00</td>
<td>$2,772,075.00</td>
<td>$2,432,218.00</td>
</tr>
</tbody>
</table>

### FIRE PREVENTION PROGRAM

<table>
<thead>
<tr>
<th></th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Services</td>
<td>$582,833.00</td>
<td>$698,529.00</td>
<td>$780,937.00</td>
<td>$964,180.00</td>
</tr>
<tr>
<td>Other Current Expenses</td>
<td>$82,544.00</td>
<td>$96,118.00</td>
<td>$102,605.00</td>
<td>$92,335.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$1,159.00</td>
<td>$5,889.00</td>
<td>$1,159.00</td>
<td>$914.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$666,536.00</td>
<td>$800,536.00</td>
<td>$884,701.00</td>
<td>$1,057,429.00</td>
</tr>
</tbody>
</table>

### FIRE/ RESCUE OPERATIONS PROGRAM

<table>
<thead>
<tr>
<th></th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Services</td>
<td>$36,497,780.00</td>
<td>$26,940,887.00</td>
<td>$27,388,763.00</td>
<td>$28,111,757.00</td>
</tr>
<tr>
<td>Other Current Expenses</td>
<td>$3,051,479.00</td>
<td>$3,546,104.00</td>
<td>$4,098,455.00</td>
<td>$3,813,018.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$72,686.00</td>
<td>$916,909.00</td>
<td>$372,520.00</td>
<td>$297,533.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$39,621,945.00</td>
<td>$31,403,900.00</td>
<td>$31,859,738.00</td>
<td>$32,222,308.00</td>
</tr>
</tbody>
</table>

### OCEAN SAFETY PROGRAM

<table>
<thead>
<tr>
<th></th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Services</td>
<td>$3,262,878.00</td>
<td>$3,555,637.00</td>
<td>$3,562,500.00</td>
<td>$4,344,641.00</td>
</tr>
<tr>
<td>Other Current Expenses</td>
<td>$244,352.00</td>
<td>$233,938.00</td>
<td>$267,133.00</td>
<td>$212,689.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$0.00</td>
<td>$87,229.00</td>
<td>$254,901.00</td>
<td>$70,326.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$3,507,230.00</td>
<td>$3,876,804.00</td>
<td>$4,084,534.00</td>
<td>$4,627,656.00</td>
</tr>
</tbody>
</table>

### TRAINING/ HEALTH & SAFETY PROGRAM

<table>
<thead>
<tr>
<th></th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>FY 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel Services</td>
<td>$647,931.00</td>
<td>$683,218.00</td>
<td>$731,505.00</td>
<td>$798,589.00</td>
</tr>
<tr>
<td>Other Current Expenses</td>
<td>$316,707.00</td>
<td>$372,855.00</td>
<td>$420,887.00</td>
<td>$316,438.00</td>
</tr>
<tr>
<td>Equipment</td>
<td>$62,172.00</td>
<td>$464,167.00</td>
<td>$249,459.00</td>
<td>$567,476.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$1,026,810.00</td>
<td>$1,520,240.00</td>
<td>$1,401,851.00</td>
<td>$1,682,503</td>
</tr>
</tbody>
</table>
## SUMMARY EXPENDITURES
### FINANCIAL OVERVIEW

<table>
<thead>
<tr>
<th></th>
<th>FY 2018 BUDGETED vs. EXPENDED</th>
<th>FY 2019 BUDGETED vs. EXPENDED</th>
<th>FY 2020 BUDGETED vs. EXPENDED</th>
<th>FY 2021 BUDGETED vs. EXPENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Personnel Services</strong></td>
<td>$32,334,670</td>
<td>$34,175,650</td>
<td>$33,120,506</td>
<td>$34,175,650</td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td>$141,762</td>
<td>$1,478,482</td>
<td>$1,476,764</td>
<td>$1,478,482</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>$36,761,981</td>
<td>$40,601,521</td>
<td>$39,434,592</td>
<td>$40,601,521</td>
</tr>
</tbody>
</table>
CAPITAL IMPROVEMENT PROJECTS

Lanai Fire Station

In FY 2021, construction for this project, which consists of an apparatus bay for two fire apparatus, went out to bid. Bid results came in substantially higher than anticipated and over budget. New funds have been allocated in FY 2022 and the Department is working with the design consultants to get this project re-bid.

Wailuku Fire Station Renovation

Construction has been scheduled to begin in September 2021 and expected to be completed by the end of December 2021. Renovation includes the construction of private shower stalls, along with new tile work and fixtures.

Kahului Fire Station Apparatus Shelter

Construction has been delayed for this project due to supply chain issues. The Department is awaiting a new ETA and timeline for construction from the contractor (Fall 2021 probable). This structure will be a much needed roof covering for relief and accessory apparatus to protect them from the elements.

Kihei Fire Station Renovations

Much needed renovations are being completed to extend the useful life of this facility. Included in these renovations are: new flooring, roof and fascia repairs, complete interior renovation of the living room, new lockers, exterior/interior painting. These renovations are scheduled to be fully completed by December 2021.

Ho’olehua Fire Station Apparatus Bay

Design has been completed and the bid opening for this project is scheduled for mid-September 2021. This structure will be a much needed enclosed bay to house both a fire apparatus, as well as provide a larger covered workspace for personnel.

Makawao Fire Station Apparatus Bay

Conceptual drawings are completed for an additional apparatus bay/workspace for this station. Funds have been appropriated for construction in FY 2022.

Haiku Fire Station

In FY 2021, a feasibility study was completed by consultant and concluded that the existing County owned property remains the most viable option for the construction of a Haiku Fire Station. However, some community concerns regarding the findings of the study were voiced and the Department will continue working with Council and the County Administration to determine future direction.
NEW APPARATUS

The Department also received Wildland 3 & 10, Ocean Safety SUV, Ocean Safety Pick-Up, and Hazmat Utility this fiscal year.

MO‘OLOA

Mo‘oloa is a land division in the moku of Honua‘ula. It is in an area more commonly known as Makena in the Wailea Fire District. It is south of Pu‘u ‘Ōla‘i, and its ocean side is Oneloa (Big Beach). The ladder in action resembles a mo‘o. Mo‘o are also known to be water creatures, like the water rescue efforts done by the crews in south Maui. Mo‘o are also represented by the color yellow, which is the color of the trucks.

WAIPU‘ILANI

Waipu‘ilani is a gulch in the Kihei District, there is also a street and a park carrying this name. This name reffers to water that is carried through the hose or any other similar channel.

KO‘I‘ULA

The Ko‘i‘ula rain in the mauka area of Nāpili along with the Koko rain in the makai area meet together to creat a beautiful scarlet color. This pairs perfectly with Nōweo‘ula (Mini 11) being that they both describe the red rain in Nāpili.
PERFORMANCE MEASURES

Administrative Program

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Identify alternative revenue sources</td>
<td>75% of grants awarded</td>
</tr>
<tr>
<td>2. Utilize a Research &amp; Development Committee</td>
<td>6 items changed or implemented</td>
</tr>
</tbody>
</table>

Training Program – Training Bureau

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Complete quarterly task level (drill schedule) training for all emergency response disciplines for a total of 11,000 employee hours</td>
<td>13,010 hours completed</td>
</tr>
<tr>
<td>2. Conduct department wide large incidents drills for suppression, hazardous materials and technical rescue</td>
<td>3 drills conducted</td>
</tr>
<tr>
<td>3. Conduct realistic training opportunities by providing access to facilities and props via 250 training sessions annually</td>
<td>409 sessions conducted</td>
</tr>
<tr>
<td>4. Maintain proficiency and consistency in firefighting and rescue disciplines by conducting 12 topic specific cadre led trainings</td>
<td>14 trainings conducted</td>
</tr>
<tr>
<td>5. Promote professional development for incumbents by conducting certification training annually</td>
<td>10 classes conducted</td>
</tr>
<tr>
<td>6. Complete certification of the Emergency Medical Responder (EMR) level through the National Registry of Emergency Medical Technician (NREMT), including a valid Basic Life Support (BLS) level for healthcare providers including Cardiopulmonary Resuscitation (CPR) certificate from the American Heart Association (AHA) for all uniformed personnel</td>
<td>53% achieved/maintained certification</td>
</tr>
</tbody>
</table>

Training Program – Health & Safety Bureau

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintain HIOSH compliance with respirator fit testing</td>
<td>98% compliance</td>
</tr>
<tr>
<td>2. Complete annual flow testing of all Self Contained Breathing Apparatus (SCBA) units</td>
<td>100% units tested</td>
</tr>
<tr>
<td>3. Provide quality compressed breathing air for firefighters by conducting required air sample test annually</td>
<td>24 tests completed</td>
</tr>
<tr>
<td>4. Offer annual physical exam to all BU 01, 11, and 14 personnel</td>
<td>379 exams completed</td>
</tr>
<tr>
<td>5. Provide four articles annually to keep all members up-to-date on relevant health/fitness education</td>
<td>4 articles distributed</td>
</tr>
<tr>
<td>Objective</td>
<td>FY 2021 YTD Data</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>6. Provide rehab at qualifying incidents</td>
<td>228 hours worked</td>
</tr>
<tr>
<td>7. Track work related injuries to incorporate applicable exercises into fitness</td>
<td>17 injuries</td>
</tr>
<tr>
<td>8. Provide personnel with fitness equipment necessary to maintain fitness while on duty</td>
<td>100% of stations equipped</td>
</tr>
</tbody>
</table>

**Fire/Rescue Operations Program**

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Provide data and stats on helicopter usage for fires, ocean rescues, mountain rescues, residents and visitors</td>
<td>310.7 helicopter hours</td>
</tr>
<tr>
<td></td>
<td>57 incidents for residents</td>
</tr>
<tr>
<td></td>
<td>28 incidents for visitors</td>
</tr>
<tr>
<td>2. Provide accurate statistical breakdown of total incidents by category</td>
<td>706 fire incidents</td>
</tr>
<tr>
<td></td>
<td>6,950 medical incidents</td>
</tr>
<tr>
<td></td>
<td>3,994 other incidents</td>
</tr>
<tr>
<td></td>
<td>0 deaths</td>
</tr>
<tr>
<td>3. Provide accurate statistical data of the % of incidents involving residents vs. visitors</td>
<td>83% residents</td>
</tr>
<tr>
<td></td>
<td>17% visitors</td>
</tr>
<tr>
<td>4. Provide effective firefighting tactics and strategies</td>
<td>100% fires confined to origin area/building</td>
</tr>
<tr>
<td>5. Ability of the first-in fire truck to respond to incidents in their district</td>
<td>N/A</td>
</tr>
<tr>
<td>6. Conduct and document district community risk and vulnerability assessment</td>
<td>71% of high, medium, low risks identified</td>
</tr>
<tr>
<td>7. Ensure that the department’s fleet has high availability and repairs are made in a timely manner</td>
<td>205 total vehicles in fleet</td>
</tr>
<tr>
<td></td>
<td>98% of vehicles available</td>
</tr>
<tr>
<td></td>
<td>908 work orders received</td>
</tr>
<tr>
<td></td>
<td>1163 work orders completed</td>
</tr>
</tbody>
</table>
## Fire Prevention Program – General Fund

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Complete inspections of establishments and facilities annual</td>
<td>519 inspections</td>
</tr>
<tr>
<td>2. Complete brush and weed abatement inspections</td>
<td>188 inspections</td>
</tr>
<tr>
<td>3. Complete inspections of all 33 public schools</td>
<td>33 inspections</td>
</tr>
<tr>
<td>4. Maintain fire and life safety systems to provide a safe community</td>
<td>540 inspections</td>
</tr>
<tr>
<td>5. Conduct fire safety presentations annually</td>
<td>*0 presentations provided</td>
</tr>
<tr>
<td>6. Provide portable fire extinguisher training</td>
<td>60 persons trained</td>
</tr>
<tr>
<td>7. Provide safety training utilizing the fire safety house to elementary students</td>
<td>*0 students participated</td>
</tr>
<tr>
<td>8. Conduct fire investigations</td>
<td>50 investigations</td>
</tr>
<tr>
<td>9. Provide a complete fire investigation report</td>
<td>75% completed within 14 days</td>
</tr>
</tbody>
</table>

## Fire Prevention Program – Revolving Fund

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintain the rate of plans reviewed within 30 days from application at 100%</td>
<td>23% plans reviewed</td>
</tr>
</tbody>
</table>

## Ocean Safety Program

<table>
<thead>
<tr>
<th>Program Objective</th>
<th>FY 2021 YTD Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maintain same level of preventative actions as documented for previous year</td>
<td>198,108 actions</td>
</tr>
<tr>
<td>2. Ensure a minimum of two qualified rescue watercrafts operators assigned to each unit per shift</td>
<td>100% shifts</td>
</tr>
<tr>
<td>3. Establish and maintain complete training programs</td>
<td>37.5% completed JPRs</td>
</tr>
<tr>
<td>4. Conduct supervisory training for all supervisors</td>
<td>25% supervisors trained</td>
</tr>
</tbody>
</table>

*Unable to conduct in-person presentations/trainings due to COVID-19 pandemic restrictions*
MAUI INCIDENT MANAGEMENT TEAM

History

The United States Fire Administration defines a Type 3 Incident Management Team as a multi-agency/multi-jurisdictional team for extended incidents formed and managed at the local, state, or tribal level. It is a designated team of trained personnel from different departments, organizations, agencies, and jurisdictions. Type 3 IMTs are deployed as a team of 10-20 trained personnel, representing multiple disciplines who manage major and/or complex incidents requiring a significant number of local, state, or tribal resources. They manage incidents that extend into multiple operational periods and require a written Incident Action Plan (IAP). These incidents can include weather-related disasters such as a tornado, earthquake, or flood; a joint law enforcement operation; public health emergency; or a planned exercise or event.

It is common knowledge that the State of Hawaii is vulnerable to many natural and manmade disasters. It is also readily apparent that assistance from the continental U.S. will often take 48-72 hours to arrive. With that in mind, the Maui County Department of Fire & Public Safety administration consulted the USFA Type 3 Incident Management Team Technical Assistance Program to develop a training program for a Maui Incident Management Team. After securing funding through the State Homeland Security Grant Program in 2011, All Hazards Incident Management Team training began in Maui with 33 attendees from 10 different agencies attending the first 0305-United States Fire Administration All Hazards Incident Management Team course at the Pacific Disaster Center. Subsequent USFA AHIMT team courses held in 2013, 2014, 2015, 2016, 2017 and 2018 introduced an additional 200 attendees from 10 additional agencies to all hazards incident management. In an effort to assist other counties and agencies in the region, Maui Incident Management Team instructors also provided USFA AHIMT team course instruction in Hawaii County in May 2015, to the City & County of Honolulu 2015, 2016 and 2017, and Kauai County in January 2017.

In accordance with the guidelines set forth by the USFA Type 3 Incident Management Team Technical Assistance Program, the Maui Incident Management Team Program has also offered “position specific” training courses to our responders. The following courses were offered: Incident Commander, Operations Section Chief, Division/Group Supervisor, Planning Section Chief, Resources Unit Leader, Logistics Section Chief, Public Information Officer, and Safety Officer. An important part of the IMT program is team development. This is where the members of an IMT work as a team, and learn the knowledge and skills needed to perform effectively in a learning environment under stressful, dynamic conditions. In an effort to address team development the Maui Incident Management Team has assisted the Maui Fair Alliance with the managing of responders and emergencies at the annual Maui County Fair in 2011-2017. The team has also participated in the annual 93rd Civil Support Team WMD exercises in 2011-2016, the Maui Prescribed Fire 2013, Molokai Prescribed Fire 2015 and 2018, Maui Prescribed Fire 2016, the annual Makani Pahili state-wide hurricane exercises in 2011-2016 and the 2017-2018 Maui Fire Department Wildland Training exercises.

The third category outlined by the USFA Type 3 Incident Management Team Technical Assistance Program is field training. Field training consists of designated USFA Type 3 Incident
Management Team (IMT), or single resources from an IMT deployed to an incident where they will be mentored by a qualified/credentialed person from a National IMT. Maui Incident Management Team members have deployed to the following national incidents to shadow Type 1 national team mentors: 2013-Big Windy Complex-Oregon, Rim Fire-California, 2014-Slide Fire-Arizona, Logging Unit Fires-Oregon, Chiwaukum Complex Fires-Washington, 2015- Wolverine Fire, Washington, 2016-Arizona Wildfire Incident Management Academy, 2016-Rock Mountain Fire-Georgia, and the 2017-Jolly Mountain Fire-Washington.

Community Benefits

The County of Maui and State of Hawaii now has a credentialed Type 3 All Hazard Incident Management Team that is prepared to respond as requested.

The purpose of this team is to assist any jurisdiction confronted with an incident beyond its capabilities in either complexity or duration. The team brings a robust management framework to support the jurisdiction in stabilizing or bringing an incident to conclusion. We can assist in planning and documentation to include assistance in development of Incident Action Plans, Site Safety Plans, and resource tracking. We can also provide logistical support, public information & notification, as well as operational support and expertise.

2021

The Covid-19 pandemic headlined this fiscal year. Due to the fact that group activities were not allowed during the pandemic MIMT was not active. Training was suspended and the team was not utilized for any incidents in order to slow the spread of the virus and flatten the curve early on in the pandemic. Moving forward, as community activities return to normal, classes will begin so that vacancies created by retirees can be filled.

2020

Fiscal year 2020 began with one of the islands largest wildfires in recent history. The Maui Incident Management Team was called to action to manage resources and operations for the Waiko Road Fire. The incident began July 11th and encompassed 3 days of firefighting operations. At its peak the team managed 55 resources with 140 personnel from both the private and public sector. The fire scorched 9000 acres on an extremely hot and windy summer day however no homes or lives were lost.

The team conducted training at the Maui County Fair in October. This planned event was an opportunity for the team to train new up and coming members of the team. With several positions vacated due to retirement within the team it was time to get others trained up. The Maui Fair lasts 4 days and team members are assigned different tasks within their section to get a position specific task book signed off by a credentialed team member.

In May the Mayor’s office asked the Maui Incident Management Team to manage the build of 22 shelters for the unsheltered community due to the Covid-19 pandemic. The homes were pre-manufactured by a company called Pallet Shelters. Thirty members of the Department of Fire and Public Safety and 16 members of the National Guard built the structures at Waiale Park in Wailuku in a day.

2019

We will continue to increase our involvement in the community to give back to those that have
supported us. On April 16-24, 2019 the Maui County Fire Department, Maui Incident Management Team in coordination with Mahi Pono performed a wildland training exercise for Maui County Fire Department. Over the 7 days Maui Incident management team initiated and signed off “firing boss and single resource boss” task books. In total 220 members of the fire service were trained in either wildland firefighting or incident management.

2018
The Maui Incident Management Team was assigned to coordinate the response to the volcanic eruption in the East Rift Zone on the Island of Hawaii on May 4, 2018. Due to the complexity of the incident, the Maui IMT deployed three separate times to the eruption to assist the Hawaii Fire Department with managing the overall response to the incident.

May 5-13, 2018-(16) Maui IMT members assigned
May 20-June 2, 2018-(14) Maui IMT members assigned
June 6-15, 2018-(9) Maui IMT members assigned

This was a very dynamic incident with conditions changing on a moment’s notice. Worthy of note was that there were no injuries to responders assigned to the incident. A team evaluation was provided by the agency having jurisdiction at the end of the assignment, with exemplary ratings in all categories evaluated.

On February 19-23, 2018 the Maui County Fire Department, Maui Incident Management Team, County of Maui Department of Public Works, Maui Police Department, and the Department of Hawaiian Homelands, worked together in a multi-agency effort to conduct wildland training in the Ho’olehua area on Molokai. In total 40 fire service personnel and 4 Public Works personnel were trained during the exercise.

The live fire training was conducted in Ho’olehua on the Island of Molokai. The burn area consisted of 40 acres of wildland urban interface, broken down into separate blocks burned each day of the exercise. This prescribed, or controlled fire/wildland fire training developed skills, knowledge, and abilities required to use fire as a suppression tactic during wildland fire incidents. This tactic will enable our firefighters to mitigate wildland fires more efficiently and effectively.

Summary
Due to the Covid-19 pandemic many training opportunities had to be postponed due to the threat of spreading the disease and physical distance requirements. Their goal is to reschedule training opportunities as soon as we can. The Maui Incident Management Team program has now trained over 560 responders in the State of Hawaii. We have also sent our members to the National Emergency Training Center to get their qualifications as position specific instructors. This will allow us to continue to build our program and ensure that we have enough depth to operate for multiple operational periods if needed. As funding allows, we will continue to deploy our trainees to national Type 1 incidents to shadow Type 1 incident management teams.

With the continued support of our grant partners we are prepared to be a regional resource that not only deploys to local incidents, but incidents within the region that require an All Hazard Incident Management Team.
HONORED RETIREES

Kaimiola Andrade
Fire Captain

Derrick Chai
Fire Captain

Michael Grimes
Fire Fighter I

Paul Haake
Fire Captain

Michael MacDougall
Fire Captain

Charles Martin
Ocean Safety Officer II

Joseph Shutsa
Fire Fighter I

Jeffrey Silva
Ocean Safety Officer III

David Thyne
Fire Chief

Steven Farwig
Fire Fighter I

Steven Lee
Fire Captain

Nicholas Perisin
Fire Fighter I

Frederick Sniffen
Fire Fighter III