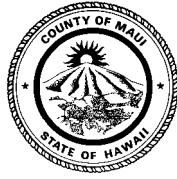


Department of Fire and Public Safety 2015-2016 Annual Report



ALAN M ARAKAWA
MAYOR



JEFFREY MURRAY
FIRE CHIEF

ROBERT SHIMADA
DEPUTY FIRE CHIEF

COUNTY OF MAUI
DEPARTMENT OF FIRE & PUBLIC SAFETY

200 DAIRY ROAD
KAHULUI, HI 96732
(808) 270-7561
Fax (808) 270-7919

October 10, 2016

Honorable Alan M. Arakawa
Mayor, County of Maui
Kalana O Maui
200 S. High Street
Wailuku, HI 96793

Dear Mayor Arakawa:

In accordance with the provisions of Section 13.7 of the Maui County Charter, we are pleased to submit the annual report of the activities of the Department of Fire and Public Safety for fiscal year ending June 30, 2016.

This report reflects the continuing effort and education by members of our Department, striving ever to provide the best fire protection and the necessary protection of life, environment and property within Maui County.

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

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Jeffrey A. Murray", is written over a horizontal line.

JEFFREY A. MURRAY
Fire Chief



**County of Maui
Department of Fire & Public Safety**

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 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.
6. Provide education in fire safety and administer the Fire Code.
7. Maintain vehicles and equipment for emergency responses.
8. Develop and support an effective organization.

Years One to Five

- Achieve Accreditation.
- Enroll all qualified staff into the Executive Fire Officer Program (EFOP) at the National Fire Academy in Maryland.
- Establish a vehicle replacement and purchase committee that will make recommendations to the Fire Chief.
- Improve our maintenance program for vehicles and apparatus immediately.
- 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 a *proactive* approach to represent the department in present and future community developments. This will allow input/feedback in the early planning stages for these projects.
- Provide logistical and clerical assistance for the Battalion Chief's office.
- Establish weekly communications from the administration to all stations/members to keep them updated and "in the loop."
- Establish Rapid Intervention Teams (RIT) to comply with our FEMA grant.
- Increase initial training standards during firefighter recruit class and probationary period.
- Revisit the strategic plan every two to three years.
- Increase staffing in the Fire Prevention Bureau.
- Establish a merit program for Department personnel.
- Implement a newly formatted Rules and Regulations/Manual of Operations to allow timely and efficient updates and revisions.
- Increase our involvement with Department of Homeland Security plans and programs. "911: Never Forget."
- Establish a planning process with a clear set of criteria for the building of new fire stations to accommodate population and visitor growth.
- Explore the development of a Junior Firefighter program.

Years Six to Ten

- Achieve Accreditation. This provides a way to measure the effectiveness and efficiency of our fire department by determining community risk and fire safety needs, accurately evaluating the organization's performance, and providing a method for continuous improvement
- Complete the merger of Ocean Safety Officers into our department.
- 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 training service

**Department of Fire and Public Safety
Maui County Charter
Chapter 7**

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'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 civil defense 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. Evaluate at least annually 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 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 fire fighting, rescue, 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 and public safety.
4. Train, equip, maintain, and supervise the force of fire fighting 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 of 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 2002, 1992, 1984)

COUNTY OF MAUI FIRE & PUBLIC SAFETY COMMISSION



**Commission Members Travis Tancayo, Archie Kalepa,
Chair Doreen “Pua” Canto, Vice Chair Robyne Nishida Nakao,
Charles Hirata, Joaquin “Jack” Freitas, and Edwin Misaki**

**Not Pictured: Commission Members Patrick Borge and Linda
Fernandez**

County of Maui
Fire & Public Safety Commission
July 1, 2015 – June 30, 2016

Commission Members

In March 2016, we bid a sad adieu to our Commission Chair William Soares and Vice Chair Allen Souza. Both Commissioners began their terms on April 1, 2011 and contributed immensely toward the Department's goals and were a huge support for the Maui Fire Department.

On April 1, 2016, the Commission welcomed two new Commission Members Jack Freitas of Maui and Travis Tancayo of Moloka'i. Commissioner Freitas has been a Maui business owner for many years and has served on the Planning Commission. Commissioner Tancayo is a twenty-five year veteran with the Maui Fire Department. The Commission is delighted to have both Commission Members Freitas and Tancayo on board with their vast knowledge and experience.

At the March 24, 2016 meeting, the Commission selected Commissioner Doreen "Pua" Canto to be the Chair and Commissioner Robyne Nishida Nakao to be the Vice Chair. Chair Canto will be completing her term on March 31, 2017.

Fire Chief's Review

On March 24, 2016, the Fire & Public Safety Commission completed their annual review of Fire Chief Jeffrey A. Murray. The evaluation form rates the Chief on areas such as Customer Service, Planning & Organization, Leadership, Communication, Personnel Management and Goal Achievements. Fire Chief Murray continues to receive high marks in all major evaluation categories and these results were communicated to the County Council and Mayor Arakawa.

**Maui Fire Department
Honored Retirees
Fiscal Year 2015-2016**



**Fire Lieutenant
Scott English**



**Firefighter
Shane Bush**



**Battalion Chief
Ryan Ayakawa**



**Fire Captian
Sheldon Holokai**



**Firefighter
Daniel Wallace**



**Fire Captain
Kelan Puaa**



**Firefighter III
Rockne Matsuda**



**Battalion Chief
Louis Romero**

FIRE AND PUBLIC SAFETY COMMISSION

FIRE & PUBLIC SAFETY COMMISSION
DEPARTMENT OF FIRE & PUBLIC SAFETY
COUNTY OF MAUI

ORGANIZATION CHART
as of June 30, 2013

OFFICE OF THE
FIRE CHIEF

ASSISTANT FIRE CHIEF
SUPPORT SERVICES DIVISION

ASSISTANT FIRE CHIEF
OPERATIONS DIVISION

- ADMIN SERVICES
- TRAINING BUREAU
- HEALTH & SAFETY BUREAU
- FIRE PREVENTION BUREAU
- MECHANIC SHOP

FIRE BATTALION
CHIEFS

- WAILUKU STATION
- LAHAINA STATION
- NAPILI STATION
- LANAI STATION
- KAUNAKAKAI STATION
- HOOLEHUA STATION
- PUKOO STATION
- PAIA STATION
- MAKAWAO STATION
- KULA STATION
- HANA STATION
- KAHULUI STATION
- KIHEI STATION
- WALEA STATION

AUTHORIZED PERSONNEL
FISCAL YEAR 2015 - 2016

ADMINISTRATION

FIRE CHIEF	1
DEPUTY FIRE CHIEF	1
ASSISTANT FIRE CHIEF	2
FIRE SERVICE OFFICER	1
BATTALION CHIEF	1
ADMINISTRATIVE ASSISTANT	1
PRIVATE SECRETARY	1
PERSONNEL CLERK	1
FIRE MECHANIC	3
LEAD FIRE EQUIPMENT MECHANIC	1
OFFICE OPERATIONS ASSISTANT	2
ACCOUNT CLERK	1
BUSINESS MANAGER	1
EQUIPMENT TECHNICIAN	1

TRAINING/HEALTH & SAFETY

TRAINING CAPTAIN	1
HEALTH & SAFETY CAPTAIN	1
FIRE FIGHTER III	4
MEDICAL SPECIALIST	1
OFFICE OPERATIONS ASSISTANT	1

FIRE PREVENTION BUREAU

FIRE CAPTAIN	1
FIRE FIGHTER IV (Plans Reviewer)	2
FIRE FIGHTER III (Fire Inspector)	6
OFFICE OPERATIONS ASSISTANT	1
ACCOUNT CLERK	1

FIRE SUPPRESSION FORCE

BATTALION CHIEF	6
FIRE CAPTAIN	51
FIRE FIGHTER III	69
FIRE FIGHTER II	18
FIRE FIGHTER I	138
TOTAL PERSONNEL	319

ADMINISTRATION AND SUPPORT SERVICES



FIRE CHIEF
Jeffrey Murray



DEPUTY CHIEF
Robert Shimada



ASSISTANT CHIEF OF OPERATIONS
David Thyne



ASSISTANT CHIEF OF SUPPORT SERVICES
Valeriano Martin



FIRE SERVICES OFFICER
Edward Taomoto



BATTALION CHIEF OF OCEAN SAFETY
Colin Yamamoto

SUPPORT SERVICES



Office Operations Assistant Jill Matsui, Deputy Chief Secretary Chasserac Kaawa, Fire Chief Secretary Crystal Sakai, Internal Affairs Officer Dukie Racadio, Business Administrator Cindy Kagoshima, and Administrative Assistant Sutji Gunter. Not Pictured: Account Clerk Shirley Falcon

MECHANIC SHOP



Mechanic Blaine Loque, Mechanic Shawn Kan-Hai, Office Operations Assistant Lynn Viela, Mechanic Ray Shimizu, and Lead Mechanic Victor Fontanilla

Administrative Services Highlights

Annual Report

Fiscal Year

2015 – 2016

Fire Station Maintenance

The Integrated Infrastructure Management Program, with funds implemented for county-wide fire facility projects, was appropriated \$300,000.00 in FY '16.

MFD Administration continues to strive to provide a working environment most conducive to the needs of the firefighters so they may perform their vital duties in accomplishing our mission statement. The unique schedule, inherent job hazards, and firehouse environment require the best fire equipment technology and comfortable living conditions that we are able to provide. Repairing items such as plumbing, lighting and appliances are just a few items that are dealt with regularly. The following is a list of major accomplishments completed during the last year.

- Installed new generators for Lana'i and Napili Fire Stations
- Completed covered walkway at Ho'olehua Fire Station linking living area with apparatus and office building.
- Installed new fuel tanks at Wailuku, Ho'olehua and Pa'ia Fire Stations.



Lana'i Fire Station Generator



Ho'olehua Fire Station Walkway



Paia Fire Station
Fuel Tank



Ho'olehua Fire Station Fuel Tank

Modified Special Assignment

The Modified Special Assignment Program (MSA) continues to provide a mechanism for firefighters who are injured or sick, to return to work and be assigned tasks in accordance with their treating physician's estimated functional capacity allowance. 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 duties as emergency responders. It also allows our personnel to rehabilitate at a prescribed pace while remaining active and involved in department functions that need additional resources. During FY '16, there were two (2) firefighters who took advantage of this opportunity. All firefighters have returned to full duty after reducing Worker's Compensation claims, conserving sick leave, and learning administrative functions of the department.

Community Emergency Response Team (CERT)



It has been shown time and time again that communities will come together in the event of an emergency. CERT aims to help mitigate disaster situations by tapping into this community resource in two ways. First, by teaching communities to be better prepared for a disaster, we can greatly reduce the amount of people who will need immediate emergency assistance. By not becoming a victim themselves, they also create a situation in which they can help others. The second goal of CERT is to train volunteers to assist emergency personnel in a SAFE manner. CERT is not in any way meant to be a substitution for professional emergency workers. Volunteers are trained to assist emergency personnel by safely triaging and collecting victims, and moving them to a predetermined area where they can be treated by a higher medical authority.

In the event that trained personnel are either unavailable or delayed, CERT volunteers are trained to administer basic first aid, as well as keep documentation.

In FY '16, classes were held in Kihei, Upcountry, Lahaina, Kahului, and Hana. There are approximately 15 active instructors in MFD, ranging from Chiefs to second year Firefighters. One of the main focuses for FY '17 will be training of our instructors. One of our members was fortunate enough to recently attend a week long FEMA funded train-the-trainer course at the Emergency Management Institute in Maryland. Another member is scheduled to attend that same class in FY '17. By training our members to be better instructors, we not only provide a better product to the public, but we also create an asset to the Department.

Much work is still needed, CERT is still a "catch and release" program. Disasters do not happen often, and keeping people interested without ever getting a chance to assemble and respond continues to be a challenge. That being said, CERT will always have merit as a community preparedness program.

Grants

Maui County, Department of Fire & Public Safety, continues to actively pursue grant opportunities afforded to fire departments through both private and government agencies. The following is a list of grant awards and denials the department received in FY '16.

- Assistance to Firefighters Grant Program (AFG) is administered by FEMA and the Department of Homeland Security and supports projects that enhance the safety of the public and firefighters from fire and related hazards. The primary goal is to reduce injury and prevent death among high-risk populations. The Department was denied a grant request for \$57,300 to purchase and install a fixed cascade system at Kaunakakai Fire Station for the purpose of refilling our own SCBA bottles on Molokai instead of transporting the bottles by the Departments rescue boats.
- Assistance to Firefighters Grant Program (AFG) is administered by FEMA and the Department of Homeland Security and supports projects that enhance the safety of the public and firefighters from fire and related hazards. The primary goal is to reduce injury and prevent death among high-risk populations. The Department has submitted a grant proposal in the amount of \$579,750 to replace 75 obsolete SCBA units (harness, facepiece, and two cylinders). The remainder of SCBA units that are currently in service (82) will be scheduled for replacement as well. A decision on this grant award by FEMA had not been made at the time of this report.
- Wildland Urban Interface Grant (WUI) is administered by the U.S. Forest Service and supports projects that educate and protect urban areas that interface with the wildland environment and are therefore at risk from wildland fire. The

Department wrapped up its Olowalu Firebreak Project, a collaborative project with West Maui Land Company and State of Hawaii Division of Forestry and Wildlife, to install a firebreak around Olowalu Village (\$22,138).

- U.S. Department of Transportation (US DOT) provides grant funding for projects relating to safety on emergency operations on US roadways. The Department was denied a request for \$49,497 needed to outfit MFD staff with high visibility raincoats that would provide emergency medical services and rain protection during response.
- Community Development Block Grant Program (CDBG) provides grant funding for projects serving rural and low-income communities. The Department just received a new Tanker for Kaunanakai Fire Station that will serve the Molokai Island communities for many years to come (\$708,500). The Tanker went in to service in July 2016.
- Community Development Block Grant Program (CDBG) provides grant funding for projects serving rural and low-income communities. The Department received a grant for \$900,000 to replace the Engine at Hoolehua Fire Station on Molokai. The Engine will go in to service in 2017.
- Received \$40,000 from FEMA via the Hawaii State Civil Defense for Maui Fire Department expenses related to Tropical Storm Iselle response in August 2014. An additional \$45,000 is expected when all documents have been reviewed.

Accreditation

After years of compiling critical data, the application for accreditation was submitted to the Center for Public Safety Excellence (CPSE) on March 31, 2016. The CPSE team is currently reviewing the application and will schedule a site visit in the future when the application passes the initial review. Improvements will continue to take place even if accreditation is achieved. An accreditation site visit is preliminarily scheduled for fall of 2016. Although the entire Department is responsible for accreditation, about 50 people in the Department have played an intricate part in preparing the application and creating the processes.

- The Department's 2016-2020 Strategic Plan went in to effect in February 2016.
- Conducted two separate web-based surveys on the direction concerning goals and objectives that the Department should be concentrating on. One survey was given to Department employees and the other was given to the public.
- A new risk assessment software called Vision was implemented to track and record the Departments pre-plans. The information is used to score the risk

assessment of a particular facility and the potential challenges that the Department would face in an emergency. This is an accreditation requirement.

- Updated various memorandum of understanding documents with other agencies.
- Collaborated with Maui County's GIS Department to physically locate and mark locations of fire hydrants in Maui County by global position (GPS) for future use in software.

Fire Fighter Behavior and Health Study Participation

MFD agreed to participate in a study in FY '17 that is run by Dr. Walker S. Carlos Poston, Deputy Director and Senior Principal Investigator for the Institute for Biobehavioral Health Research, National Development and Research Institutes (NDRI), Inc. Fire Fighters in Maui County will be tracked and surveyed to see how behavior and physical fitness are affected by being a fire fighter. The data will be used to publish research study results regarding the fire fighter profession. There is no cost to the County of Maui.

Estimated Cost to Respond to Visitors Research Report

A report was completed by the Assistant Chief of Administrative Services in May 2016 on the estimated annual cost that the MFD spends to respond to visitors in a 12 month period. The report estimated a cost of \$3.77 million or 11.8% of the Departments annual budget.

INTERNAL AFFAIRS DIVISION

The Internal Affairs Division of the Department of Fire & Public Safety is responsible for investigating internal affairs matters such as citizen's complaints, inquiries, Department initiated investigations and conducting background checks for prospective employees. The purpose of the Internal Affairs function is to maintain the integrity of the Department through objective, fair, unbiased and impartial internal investigations and review to ensure public trust in the Department.

This Division is under direct supervision of the Fire Chief. For the 2015-2016 fiscal year, Internal Affairs Dukie Racadio was responsible for the completion of any tasks that was assigned to this Division. The Division continues to evolve using up to date technology and training related to this essential and necessary function.

COMMUNITY SERVICE



Operations

Statistics and Annual Highlights

July 1, 2015 – June 30, 2016

The Operations Division of the Maui Fire Department is led by an Assistant Chief who is directed by the Fire Chief and Deputy Chief. There are two Battalion Chiefs who are on duty every day to manage each of the two battalions.

New Fire Apparatus Purchased in Fiscal Year 2016

KAHULUI FIRE STATION

RESCUE BOAT 10



A new 26' rescue boat was placed in service at the Kahului Fire Station this fiscal year. The rescue boat is built with a "Radon" type, all fiberglass hull and is powered by twin Volvo diesel motors that are capable of generating 440 horsepower. This boat also comes equipped with a Furuno chart plotter, Furuno radar and a Furuno depth finder. This equipment greatly enhances our ability to navigate in extreme weather and to locate lost victims and vessels in distress. The boat is capable of withstanding the extreme ocean conditions that are frequently found around Maui County and is designed to operate for extended periods of time. RB-10 will keep our personnel safe while performing dangerous rescues for many years to come. It was built by D.R. Radon Boat Building Inc. in Santa Barbara, CA.

KAHULUI FIRE STATION
RESCUE 10 UTILITY



A new 4x4 utility truck with a rescue body was placed in service at the Kahului Fire Station this fiscal year. The truck is built on a Ford F-350 4x4 crew cab chassis with a fiberglass rescue body and is equipped with a diesel engine that is capable of towing our rescue boat. This truck comes with multiple compartments for storing rescue gear and helicopter operations equipment. It was built by Manning Equipment in Louisville, KY and BrandFX Body Co. in Swea City, IA.

Notable Incidents
July 1, 2015 – June 30, 2016

7/14/15: Kihei Brush Fire

7/14/15: Waiehu Structure Fire

8/14/15 – 8/17/15: Ka'anapali Brush Fire



10/26/15: Nakalele blow hole rescue

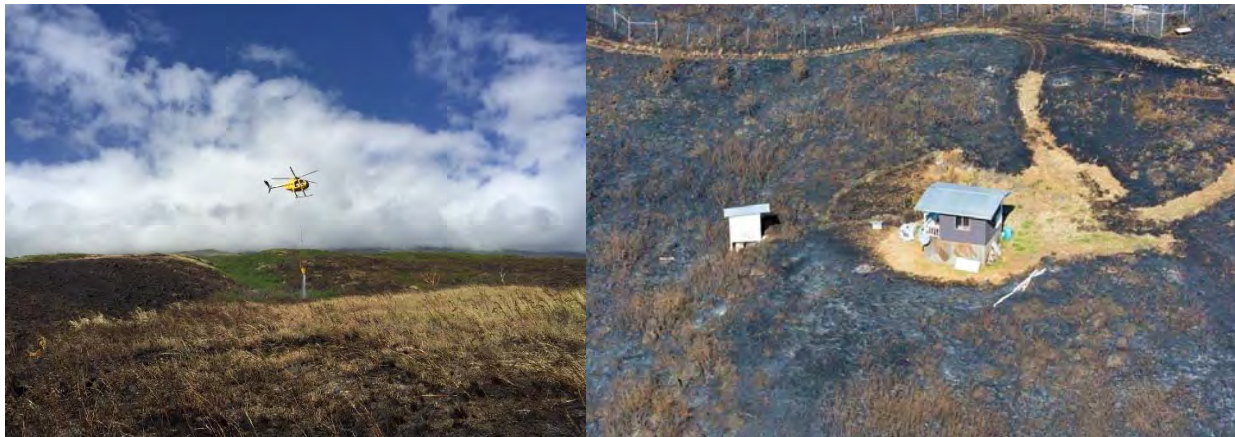


7/31/16: 31st Recruit class: Consisted of 14 County and 14 State firefighters who endured 28 weeks of rigorous physical training, academic study, and practical skills training in medical, rescue and firefighting tactics.



10/29/15: A residential structure fire at a Naniluna Place home in Wailuku, claimed the life of a 95 year old man.

11/30/15: Kahikinui Fire





2/15/16: A brush fire near milepost 25 on Piilani Hwy. in Kahikinui burned 6000 acres.

4/6/16: Mala boat grounding



5/7/16: Kapalua Brush Fire



5/16/16: Ho'olehua Brush Fire



WAILUKU FIRE STATION
21 Kinipopo Street
Wailuku, HI 96793
808.270.7659



A Watch
FFI Dane Pacheco, Captain Kristopher Sakamoto,
FFIII Jay Fujita, FFI Kawika Casco, and
FFI Ryan Short



B Watch
FFI Henry Davis, FFI Ikaika Blackburn,
Captain Lee Theron, FFIII Gavin Fujitaka,
and FFI Michael Gormley.



Battalion Chief Amos Lonokailua-Hewett

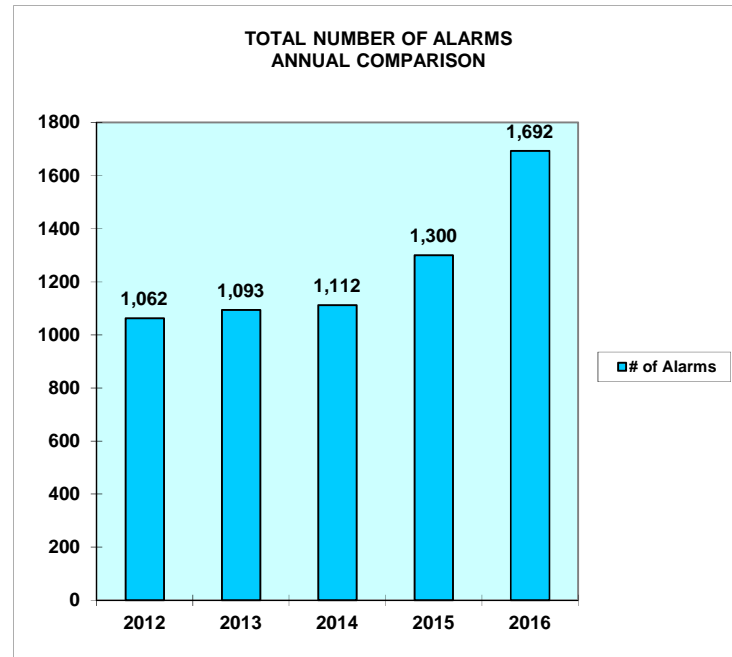
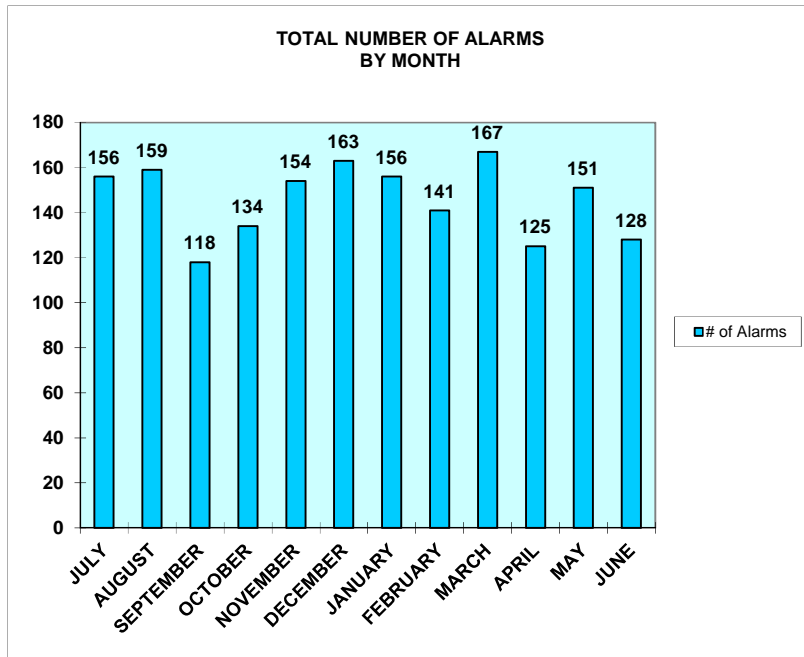


Battalion Chief Wayne
Cambra



C Watch
FFI John Teves, FFIII Leomer Domingo,
Captain Steven Thyne, FFI Seth Herrick,
and FFI Jeremy Loque.

WAILUKU FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY WAILUKU STATION					
MONTH	2012	2013	2014	2015	2016
JULY	118	87	95	143	156
AUGUST	100	101	110	137	159
SEPTEMBER	80	96	87	147	118
OCTOBER	74	99	106	119	134
NOVEMBER	96	77	96	122	154
DECEMBER	96	99	122	158	163
JANUARY	96	89	122	188	156
FEBRUARY	86	91	103	140	141
MARCH	100	114	123	145	167
APRIL	74	89	98	161	125
MAY	100	85	136	115	151
JUNE	73	85	102	117	128
TOTAL	1093	1,112	1,300	1,692	1,752

Wailuku Fire Station has a total of fifteen personnel: three Captains, three Firefighter III's, and nine Firefighters I's. Wailuku Station houses one Engine Company. There are five personnel on duty daily. The Wailuku District sustained a total dollar loss of \$1,647,550.00 during this fiscal year.

PAIA FIRE STATION
179 Hana Highway
Paia, HI 96779
808.579.9588



A Watch

Captain Craig Drinkyard, FFIII James Blando, FFI Joshua Dukes, FFI Cody Cordeiro, and FFI John Guard.



B Watch

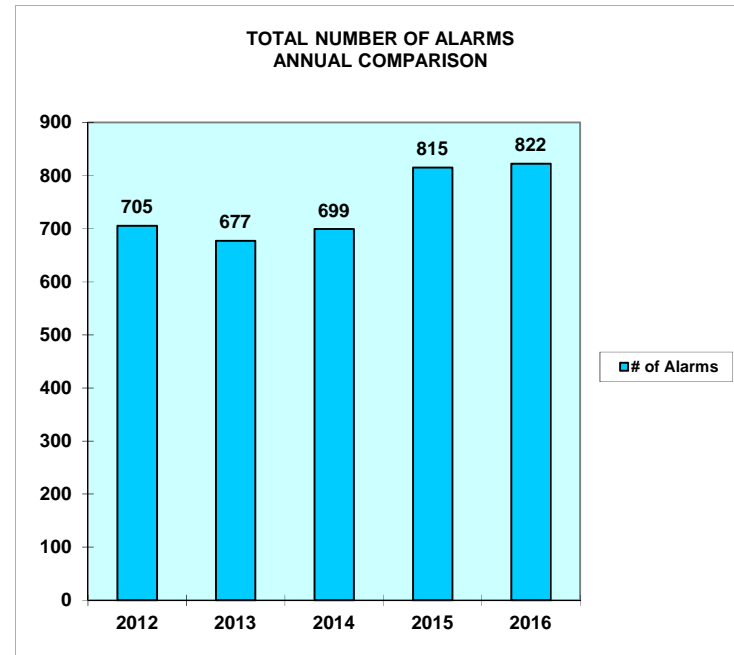
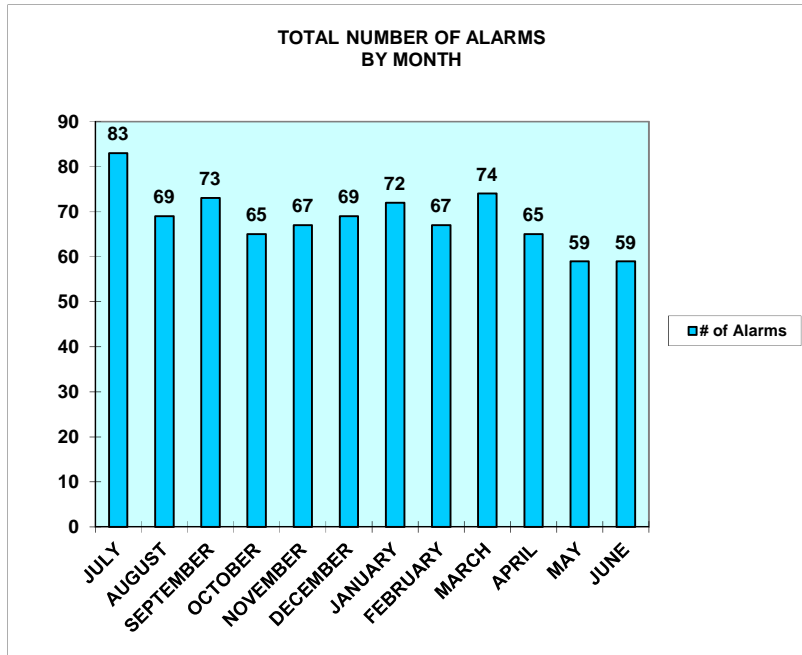
Captain Roger Agdeppa, FFI Keola Nakoa, FFI Cory Pahncira, FFI Andrew Kittelson, and FFIII Patrick Fukuda.



C Watch

**FFIII Vince Steves, FFI Matthew Kinoshita, Captain Benjamin Bland, and FFI Merritt Kaufman.
Not Pictured: FFI Nicholas Perisin**

PAIA FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
PAIA STATION					
MONTH	2012	2013	2014	2015	2016
JULY	78	57	34	67	83
AUGUST	63	43	66	66	69
SEPTEMBER	47	51	47	65	73
OCTOBER	42	58	59	66	65
NOVEMBER	56	48	56	74	67
DECEMBER	49	58	58	52	69
JANUARY	64	94	70	79	72
FEBRUARY	60	53	66	67	67
MARCH	53	65	63	76	74
APRIL	47	55	58	59	65
MAY	79	52	65	70	59
JUNE	67	43	57	74	59
TOTAL	705	677	699	815	822

Paia Fire Station has a total staffing of fifteen personnel. Three Captains, three Firefighter III's, and nine Firefighters I's. Paia Station houses one Engine Company. There are five personnel on duty daily. The Paia District sustained a total estimated dollar loss of \$1,445,000.00 during this fiscal year.

LAHAINA FIRE STATION
1860 Honoapi'ilani Highway
Lahaina, HI 96761
808.661.4065
Engine Company



Engine A Watch
FFI Michael Kalalau, FFIII Tracy Nakagawa,
Captain Kaulana Kino, and FFIII Kenyon Smith.
Not Pictured: FFI Keahi Ho



Engine B Watch
FFI Dana Anderson, FFIII Keola Robinson,
Captain Kaipō Kahai, FFI Kai Evermore,
FFI Tay Soares, and FFIII Kenhart Tanaka



Tanker 3 with FFI Tay Soares and
FFIII Kenhart Tanaka



FFI Tay Soares and FFI Kai Evermore
connecting the hose on Engine 3



Engine & Ladder C Watch
FFIII Steven Schafer, FFI Elven Ventura,
FFI Edwin Barrett, Captain Geoffrey Bogar,
Captain Kaimiola Andrade, FFIII Reza Azman
FFI Kalani Nicholls, FFIII Thomas Gann,
and FFI Steven O'Donnell.
Not Pictured: FFI Bryan Staubitser

LAHAINA FIRE STATION
1860 Honoapi'ilani Highway
Lahaina, HI 96761
808.661.4065
Ladder Company



Ladder B Watch
FFI Bradley Liu,
Captain Peter Davi,
FFI Kamela Guth,
FFIII Chad Sambrano, and
FFI Jacob Souki



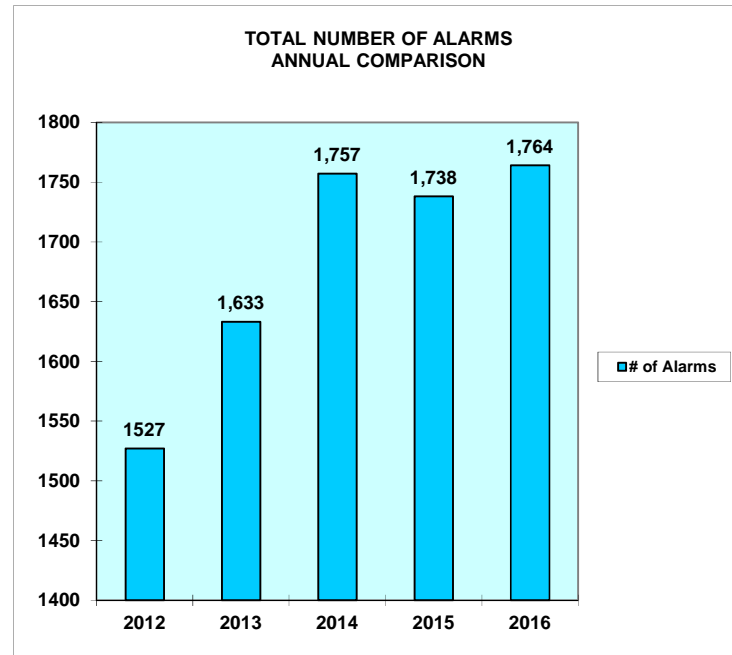
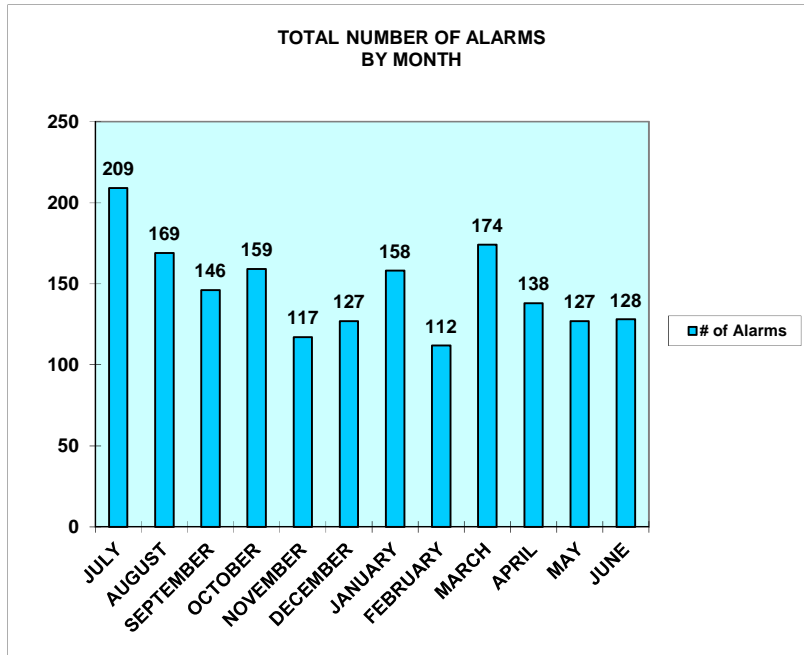
Ladder A Watch
Captain Kevin McAfee, FFIII Peter Gand,
FFI Steven Graver (EII-A), and FFI Joshua Naeole.
Not Pictured: FFI Kris Stadler



Engine 3 Fire Shot with FFI Kai Evermore

Engine & Ladder C Watch
FFIII Steven Schafer, FFI Elven Ventura,
FFI Edwin Barrett, Captain Geoffrey Bogar,
Captain Kaimiola Andrade, FFIII Reza Azman
FFI Kalani Nicholls, FFIII Thomas Gann,
and FFI Steven O'Donnell.
Not Pictured: FFI Bryan Staubitser

LAHAINA FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
LAHAINA STATION					
MONTH	2012	2013	2014	2015	2016
JULY	171	177	146	170	209
AUGUST	133	115	161	129	169
SEPTEMBER	104	127	116	124	146
OCTOBER	129	128	115	139	159
NOVEMBER	123	151	115	111	117
DECEMBER	93	112	149	178	127
JANUARY	142	144	153	181	158
FEBRUARY	104	138	138	155	112
MARCH	112	163	176	169	174
APRIL	121	121	146	120	138
MAY	167	146	192	115	127
JUNE	128	111	150	147	128
TOTAL	1527	1,633	1,757	1,738	1,764

Lahaina Fire Station has a total of 33 personnel: six Captains, nine Firefighter III's, and eighteen Firefighters I's. Lahaina Station houses one Engine Company, one Ladder Company, and one Tanker. Eleven personnel are on duty daily. The Lahaina District sustained a total estimated dollar loss of \$240,550.00 during this fiscal year.

KAUNAKAKAI FIRE STATION
120 Alanui Ka 'Imi 'Ike Street
Kaunakakai, HI 96748
808.553.5601



A Watch

**Captain Sean Simon, FFIII Larry Rawlins,
FFI Tyson Santiago, FFI Isaiah Guth, and
FFI Jay Duquette.**

Not Pictured: FFIII Jorgen Busby



B Watch

**FFI Richard Alcon, FFI Kahiwa McVay,
FFIII Nathan Oshiro, FFIII Zachary Crowder,
FFI Kaleo Puaa, and Captain Kekoa Puhi**



C Watch

**FFI Jeremy Evert, FFI Lono Poepoe,
Captain Henry Lindo, FFIII Lokahi Herrod,
and FFIII Jason Gamiao.**

HO'OLEHUA FIRE STATION
2190 Farrington Highway
Kualapu'u, HI 96757
808.567.6525



A Watch
FFI Isaiah Bicoy and FFI Noa Horner
Not Pictured: FFIII John Rosa, and FFI Stephen Kroon



B Watch
Captain Greg Jenkins, FFIII Kodi Shepley,
FFI Nathan Horner, FFI Evan Johnson,
and FFI Noa Kalanihuia



C Watch
FFI Vietnam Nguyen, FFI Lee Moyers
Captain Godfrey Akaka, FFIII Aaron Boswell,
and FFI William Castor

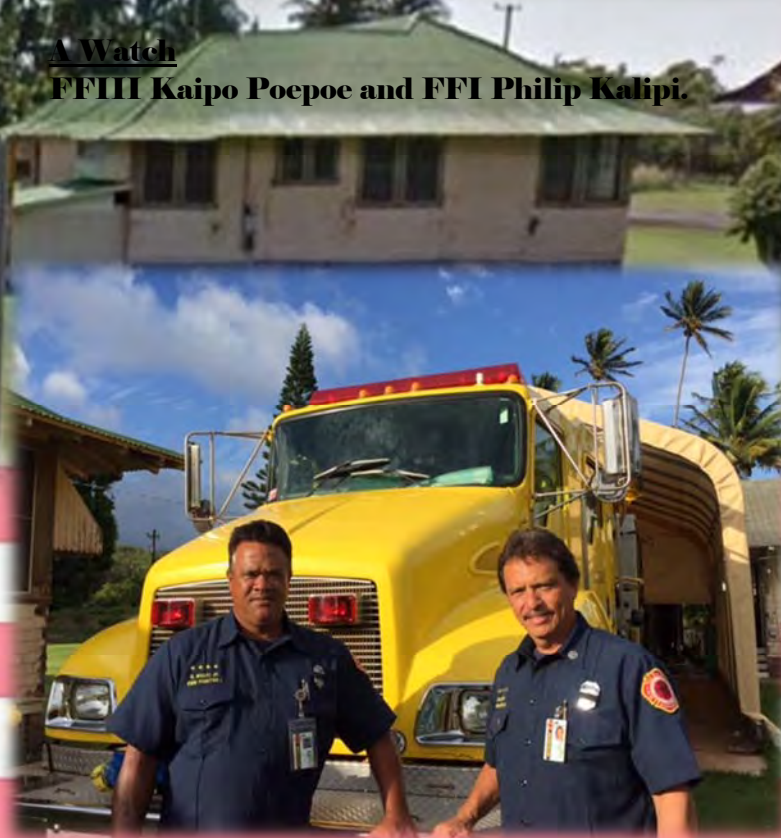
PUKO'O FIRE STATION
8735 E. Kamehameha V Highway
HC-01 Box 761
Kaunakakai, HI 96748
808.558.8580



B Watch
FFIII Wade Orikasa and FFI Laa Poepoe

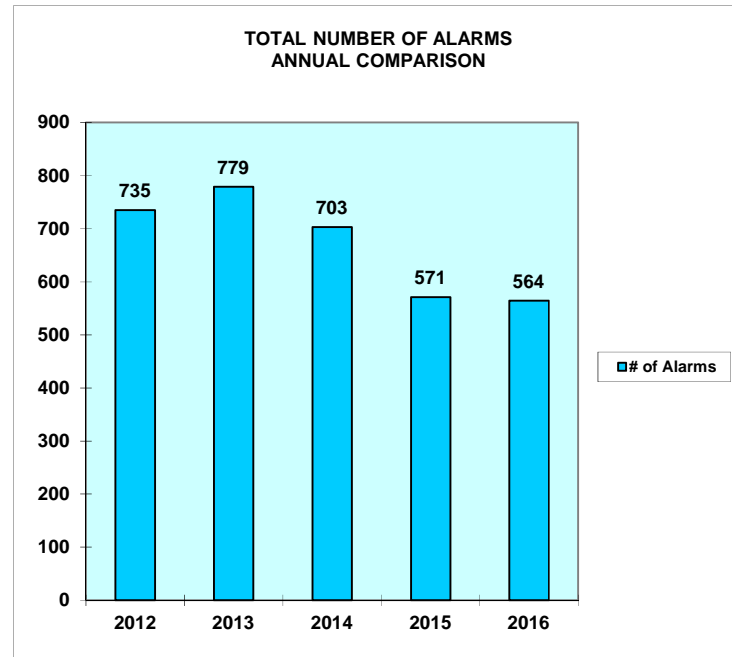
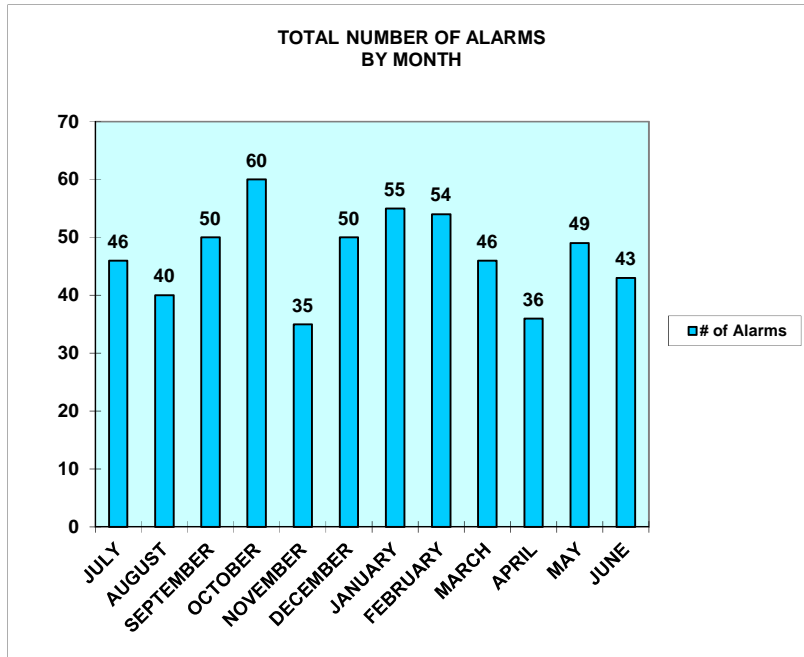


A Watch
FFIII Kaipo Poepoe and FFI Philip Kalipi.



C Watch
FFI Solomon Maliu and FFIII Nathan Ignacio.

MOLOKA'I FIRE STATIONS



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY MOLOKA'I STATION					
MONTH	2012	2013	2014	2015	2016
JULY	52	50	57	45	46
AUGUST	65	68	52	43	40
SEPTEMBER	58	71	79	42	50
OCTOBER	64	75	60	50	60
NOVEMBER	63	80	62	40	35
DECEMBER	64	60	61	57	50
JANUARY	58	81	50	44	55
FEBRUARY	47	56	51	46	54
MARCH	78	54	67	49	46
APRIL	54	55	53	53	36
MAY	76	66	51	52	49
JUNE	56	63	60	50	43
TOTAL	735	779	703	571	564

The Island of Moloka'i has three stations, one in Ho'olehua, one in Puko'o, and one in Kaunakakai. Together, the total staffing is 39 personnel. Thirteen personnel are on duty between all three stations daily. The Moloka'i District sustained a total estimated dollar loss of \$400,250.00 during this fiscal year.

MAKAWAO FIRE STATION
134 Makawao Avenue
Makawao, HI 96768
808.572.9160



B Watch

**Captain Lionel Montalvo, FFIII Darrin Almeida,
FFI Bronson Pooock, FFI Darrell Aca,
and FFI Patrick Blackburn**



A Watch

**FFIII Todd Teraoka, FFI John Devlin, and
FFI Reed Arisumi.**
**Not Pictured: Captain Jasen Andrade and
FFI Shane Dudoit.**



Kahikinui Fire



Engine 5 and Engine 14 Blessing

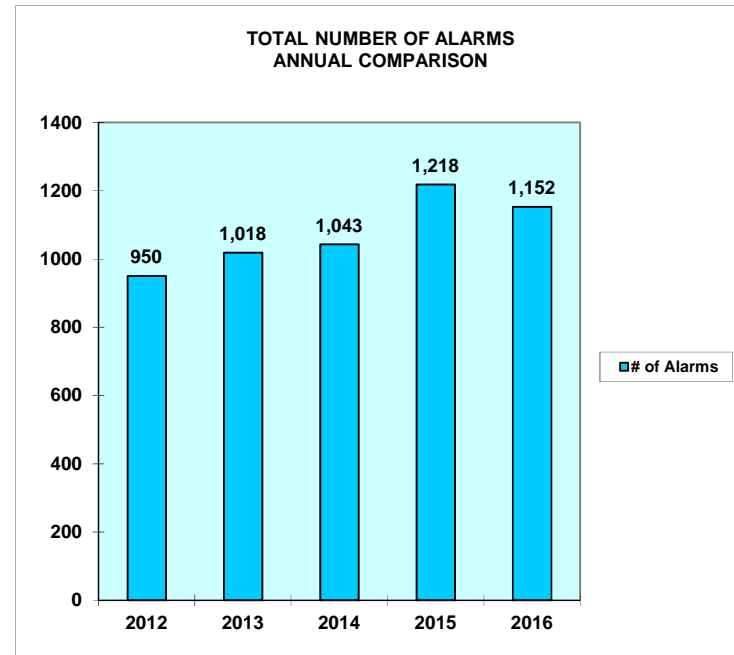
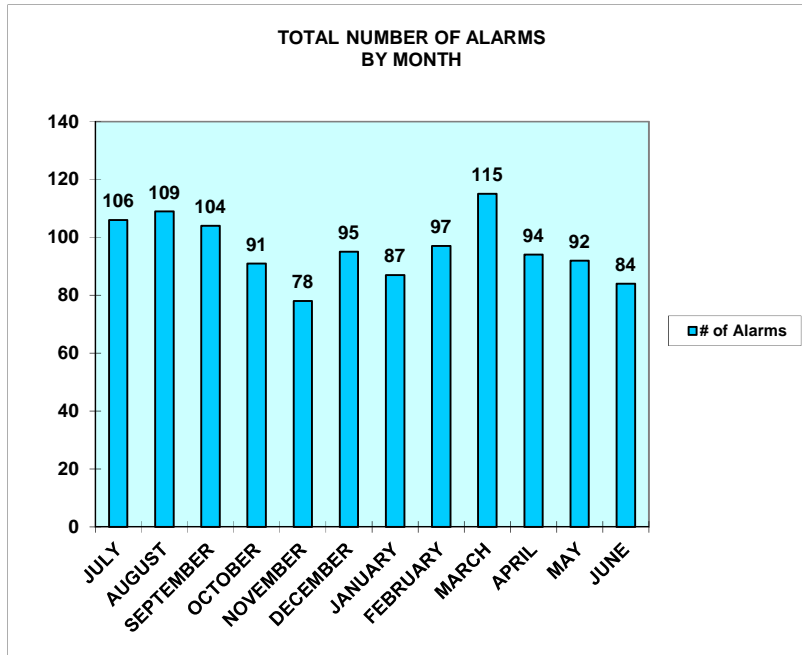


C Watch

**FFI Loca Chang, Captain Charles Smith,
FFI Thomas Devereux, and FFIII Alexander Parker**
Not Pictured: FFI Kodi Shepley
Photo Credit: Henrik Lyons



MAKAWAO FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
MAKAWAO STATION					
MONTH	2012	2013	2014	2015	2016
JULY	111	81	79	87	106
AUGUST	76	74	80	111	109
SEPTEMBER	56	85	88	87	104
OCTOBER	62	77	73	128	91
NOVEMBER	85	99	79	115	78
DECEMBER	69	97	104	88	95
JANUARY	71	91	83	108	87
FEBRUARY	85	86	82	103	97
MARCH	94	84	90	105	115
APRIL	59	79	83	88	94
MAY	109	79	101	104	92
JUNE	73	86	101	94	84
TOTAL	950	1,018	1,043	1,218	1,152

Makawao Fire Station has a total of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter I's. Makawao Station houses one Engine Company. There are five personnel on duty daily. The Makawao District sustained a total estimated dollar loss of \$21,650.00 during this fiscal year.

KIHEI FIRE STATION
11 Waimahaihai Street
Kihei, HI 96753
808.879.2741



A Watch

**Captain Bram Denhaan, FFI Christopher Stankis,
and FFI Richard Clayton.**

Not Pictured: FFIII Kevin Segundo and FFI Jeffrey Robson



B Watch

**FFIII Kyle Farm, FFI Kirk Yagi, Captain Nelson Saribay,
FFI Tyler Pascual, and FFI Nohea Williams**

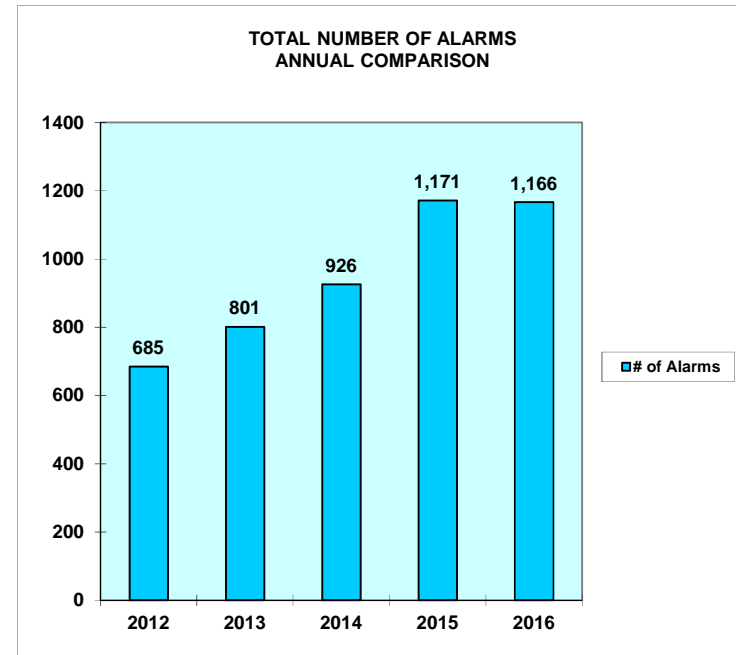
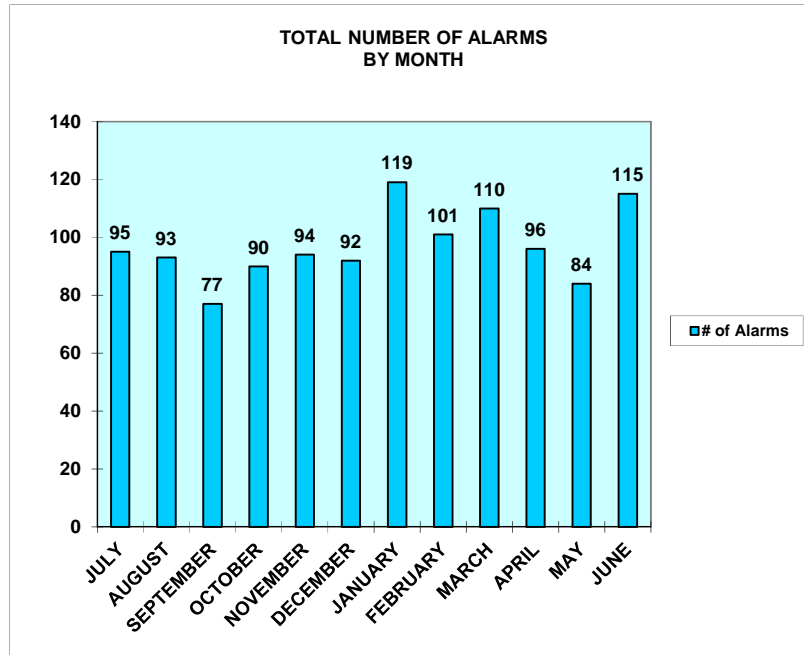


C Watch

**FFI Michael Neubauer, Captain Scott Martin, and
FFI Steven Farwig.**

Not Pictured: FFIII Erik Arensdorf and FFI Ian Pascua

KIHEI FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY KIHEI STATION					
MONTH	2012	2013	2014	2015	2016
JULY	63	65	68	105	95
AUGUST	53	65	59	87	93
SEPTEMBER	46	72	60	92	77
OCTOBER	52	69	64	78	90
NOVEMBER	59	52	100	108	94
DECEMBER	56	65	77	109	92
JANUARY	66	75	91	120	119
FEBRUARY	59	79	58	77	101
MARCH	58	86	119	123	110
APRIL	65	55	79	97	96
MAY	51	53	83	96	84
JUNE	57	65	68	79	115
TOTAL	685	801	926	1,171	1,166

Kihei Fire Station has a total of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter I's. Kihei Station houses one Engine Company. There are five personnel on duty daily. The Kihei District sustained a total estimated dollar loss of \$327,005.00 during this fiscal year.

HANA FIRE STATION
1655 Hana Highway
Hana, HI 96713
808.248.7525



A Watch
Captain Steven Lee, FFI Joseph Shutsa,
FFI Kaulana Mossman, FFI William Hodgins, and
FFIH Carl Bertelmann.



B Watch
Captain Steven Eminger,
FFI Kamani Aiona, and
FFIH Scott Perry
Not Pictured: FFI Theodore Meyer



L-R: FFI Hans Dubach, FFIH Lani Gomes,
and FFI Chad Woolley



L-R: FFIH Lani Gomes, FFI Chad Woolley,
and FFI Ryder Tackaberry (In Background)

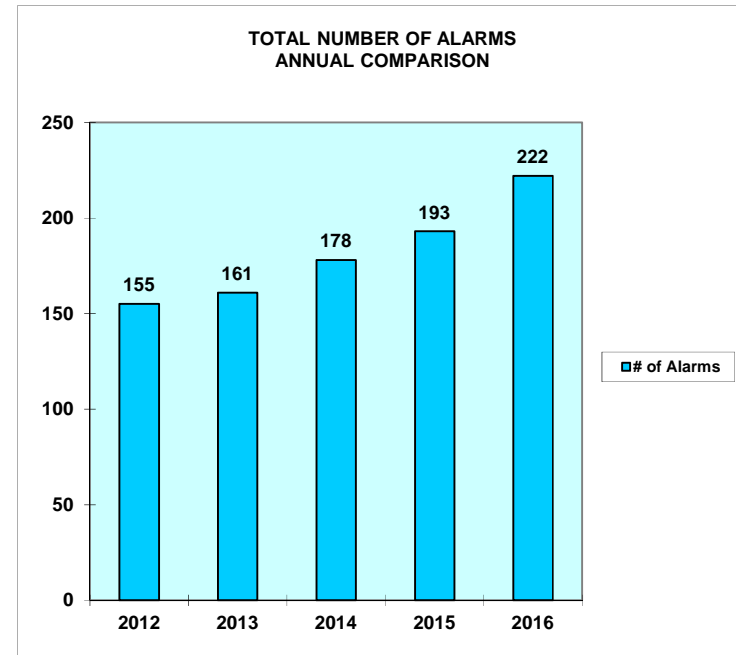
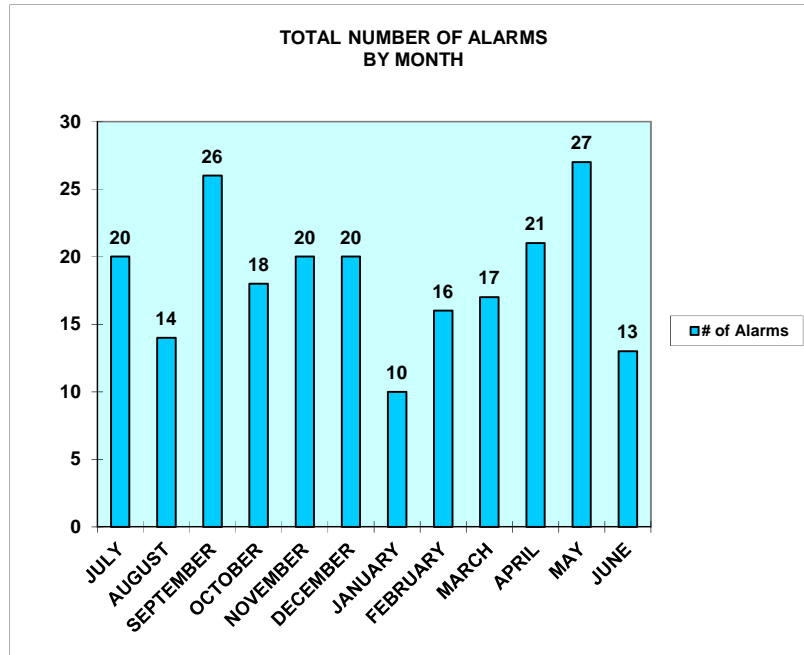


C Watch
Captain Gale Notestone, FFI Chad Woolley,
FFIH Lani Gomes, FFI Ryder Tackaberry, and
FFI Hans DuBach.



L-R: FFI Chad Woolley, FFI Hans DuBach,
FFI Ryder Tackaberry, and FFIH Lani Gomes

HANA FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
HANA STATION					
MONTH	2012	2013	2014	2015	2016
JULY	16	9	16	18	20
AUGUST	16	13	15	23	14
SEPTEMBER	10	22	13	19	26
OCTOBER	13	8	12	11	18
NOVEMBER	10	10	11	10	20
DECEMBER	17	3	20	18	20
JANUARY	16	19	21	20	10
FEBRUARY	6	16	12	16	16
MARCH	18	10	13	14	17
APRIL	8	14	15	8	21
MAY	15	22	19	21	27
JUNE	10	15	11	15	13
TOTAL	155	161	178	193	222

Hana Fire Station has a total of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter I's.
Hana Station houses one Engine Company. There are five personnel on duty daily.
The Hana District sustained a total estimated dollar loss of \$31,000.00 during this fiscal year.

LANAI FIRE STATION
1345 Fraser Avenue
Lanai City, HI 96763
808.565.7474



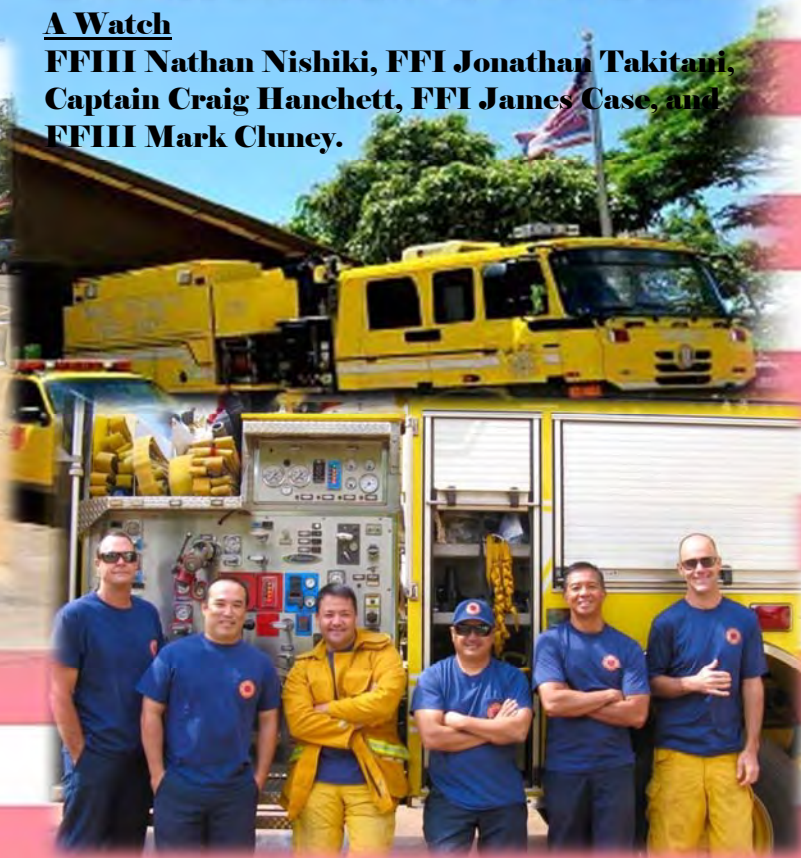
A Watch

FFIII Nathan Nishiki, FFI Jonathan Takitani, Captain Craig Hanchett, FFI James Case, and FFIII Mark Cluney.



B Watch

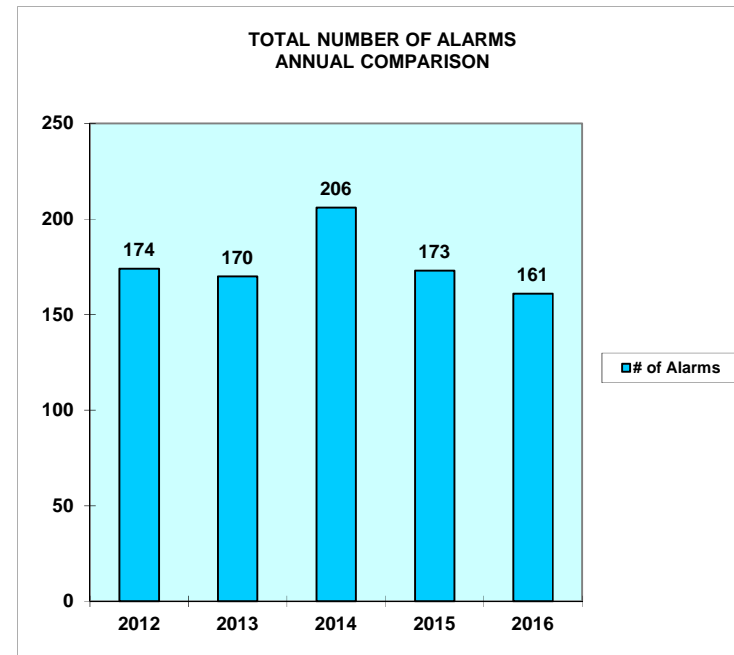
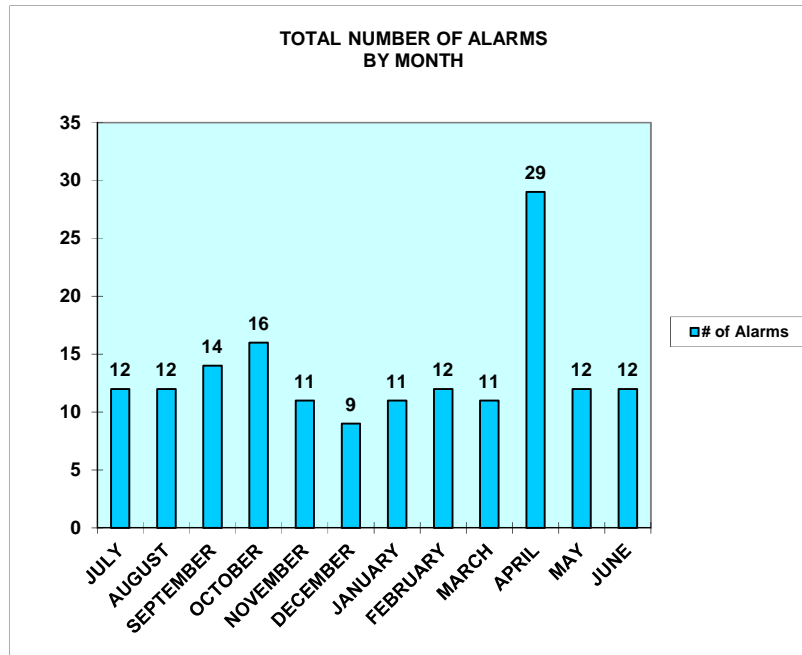
Captain Jonathan Preza, FFIII Eric Baldeviso, FFI Jon Oura, FFI Nathanael Ham, FFI Brandon Sturm, and FFIII Jim Knutson.



C Watch

Captain Todd McDonald, FFIII Ryan Higa, FFI Sean Richardson, FFI Ryan Watanabe, FFIII Darlan Corpuz, and FFI Terry Gunz.

LANA'I FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY LANAI STATION					
MONTH	2012	2013	2014	2015	2016
JULY	24	19	18	14	12
AUGUST	21	9	8	16	12
SEPTEMBER	12	8	12	16	14
OCTOBER	14	16	28	19	16
NOVEMBER	9	14	20	13	11
DECEMBER	17	11	17	13	9
JANUARY	18	11	13	17	11
FEBRUARY	15	12	17	11	12
MARCH	14	15	23	13	11
APRIL	10	10	14	16	29
MAY	11	20	20	13	12
JUNE	9	25	16	12	12
TOTAL	174	170	206	173	161

Lana'i Fire Station has a total staffing of 18 personnel. Three captains, six Firefighter III's, and nine Firefighter I's. Lana'i Station houses one Engine Company and one Tanker. There are six personnel on duty daily. The Lana'i District sustained a total estimated dollar loss of \$20,000.00 during this fiscal year.

KAHULUI FIRE STATION
Engine 10 & Tanker 10
200 Dairy Road
Kahului, HI 96732
808.270.7911



A Watch

**FFI Nikolai Reuss, FFIII Timothy Herrick
 FFIII Carlton Long, Captain Mark Pokini,
 FFI Vance Pu, and FFI Jack Smith.**



B Watch

**FFI Charles Eckart, FFI Steven Warther,
 and FFIII Henry Patao.**

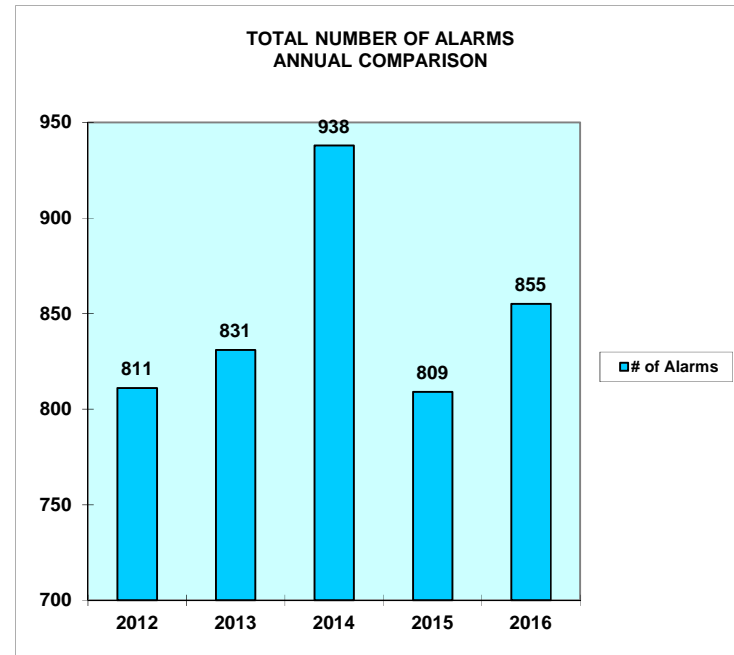
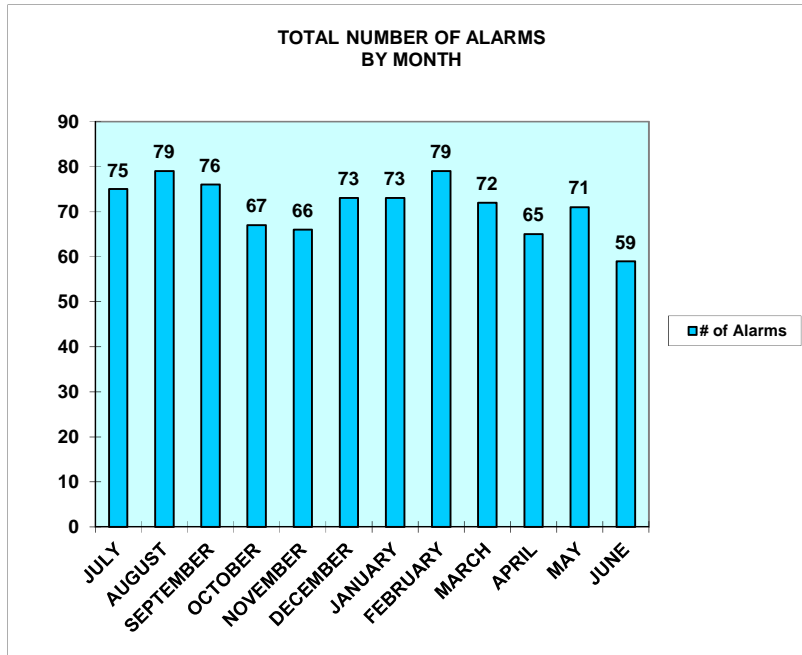
**Not Pictured: Captain William Barut,
 FFIII Angus Peters, and FFI John Tualemoso**



C Watch

**Top: FFI Tye Perdido, FFIII Peter Vanderpoel,
 Captain Guy Danley, FFI Jonathan Duncan
 FFIII Spencer Rodrigues, Battalion Chief Richard Kawasaki
 Bottom: FFI Jerime Storey**

KAHULUI FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
KAHULUI STATION					
MONTH	2012	2013	2014	2015	2016
JULY	112	78	84	86	75
AUGUST	96	71	80	60	79
SEPTEMBER	63	70	60	68	76
OCTOBER	54	87	74	68	67
NOVEMBER	55	62	76	60	66
DECEMBER	61	71	87	85	73
JANUARY	63	74	93	76	73
FEBRUARY	55	66	68	44	79
MARCH	70	64	68	74	72
APRIL	55	63	60	77	65
MAY	71	62	80	65	71
JUNE	56	63	108	46	59
TOTAL	811	831	938	809	855

Kahului Fire Station has a total of 18 personnel. Three captains, six Firefighter III's, and nine Firefighter I's. Kahului Station houses one Engine Company and one Tanker. There are six personnel on duty daily. The Kahului District sustained a total estimated dollar loss of \$25,750.00 during this fiscal year.

KAHULUI FIRE STATION
Hazmat 10
200 Dairy Road
Kahului, HI 96732
808.270.7911



A Watch

FFII Steven Haban, FFII Vernon Patao, Captain Jeffrey Kihune, FFII Jeremey-Bo Irvine, and FFII Richard Apana



B Watch

FFII Simeon Alo, FFII Jarret Roback, FFII Daniel Laferriere, and Captain Chad Pacheco.
Not Pictured: FFII Ray Watanabe



Battalion Chief Allen Duarte



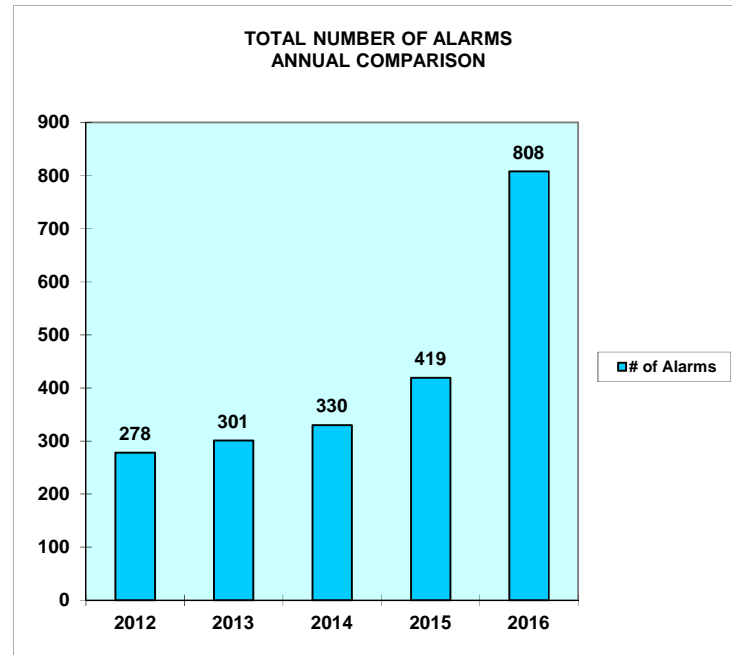
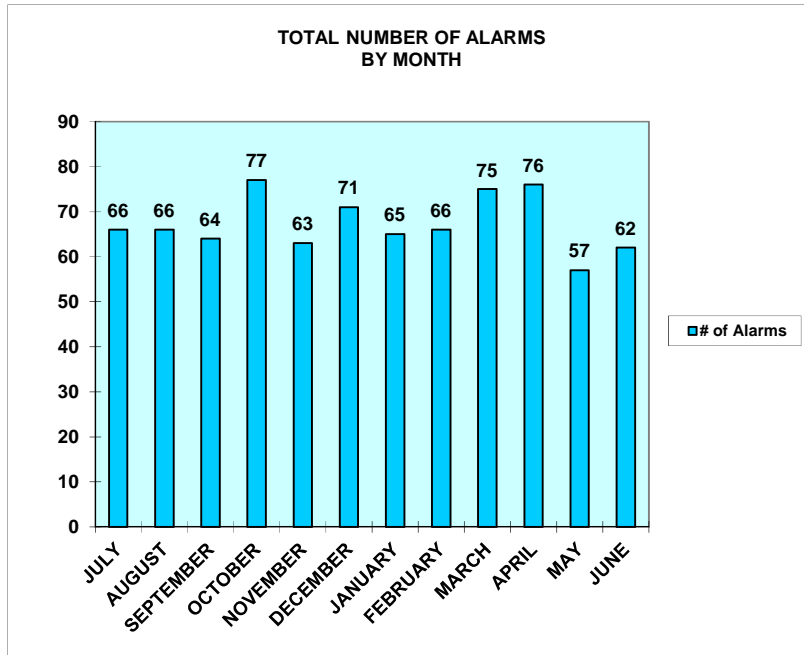
Battalion Chief Richard Kawasaki



C Watch

FFII Shawn Kiesel, FFII Owen Deatrick, Captain Jeffrey Giesea, FFII Timothy O'Connor, and FFII La'akea Chang

KAHULUI FIRE STATION - HAZMAT



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY KAHULUI STATION - HAZMAT					
MONTH	2012	2013	2014	2015	2016
JULY	27	28	29	25	66
AUGUST	22	24	22	41	66
SEPTEMBER	24	30	32	33	64
OCTOBER	34	18	25	32	77
NOVEMBER	21	29	29	33	63
DECEMBER	16	30	26	35	71
JANUARY	19	21	25	32	65
FEBRUARY	19	23	25	27	66
MARCH	20	27	27	38	75
APRIL	23	17	30	30	76
MAY	22	29	27	45	57
JUNE	31	25	33	48	62
TOTAL	278	301	330	419	808

The Hazmat Company at Kahului Station has a total staffing of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter II's. There are five personnel on duty daily.

KAHULUI FIRE STATION
Rescue 10
200 Dairy Road
Kahului, HI 96732
808.270.7911



A Watch

**FFII Kyle Williams, FFIII Alma Aiwohi,
Captain Kapala Novikoff, FFII Dennis Swain,
and FFII Simon Quirk**



B Watch

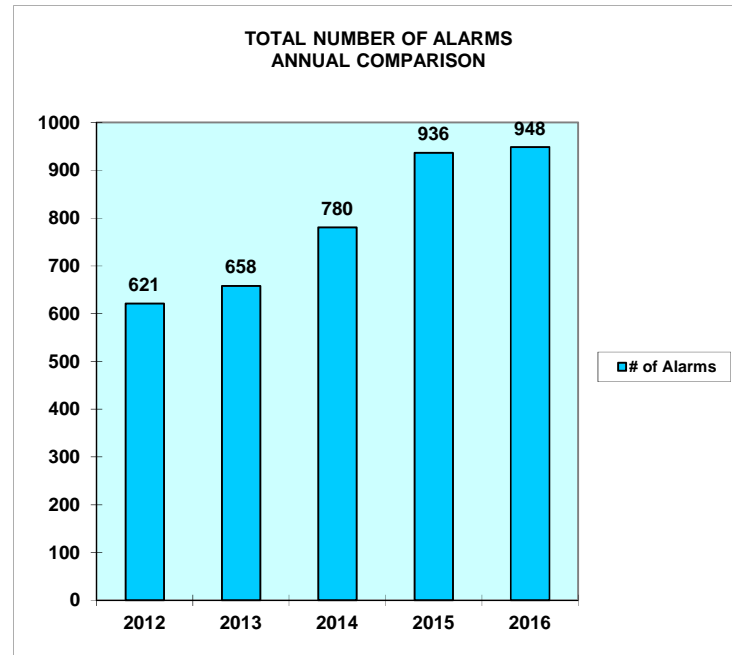
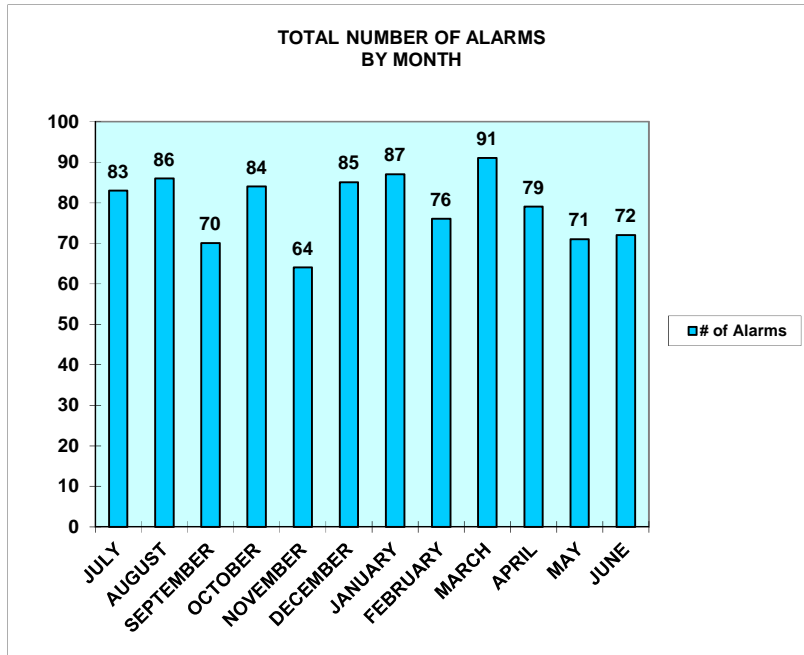
**FFII Matthew Akiona, FFIII Elvin Kamoku,
FFII Frederick "Jay" Sniffen,
Captain Brandy Lee, and FFII Kanoa**



C Watch

**FFIII Peter Napolitano, Captain Lawrence Joyo,
FFII Beau Gaddis, and FFI Jonathan Duncan (Engine 10)**
Not Pictured: FFII Clement Enomoto and FFII Shane Adolpho

KAHULUI FIRE STATION - RESCUE



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
KAHULUI STATION - RESCUE					
MONTH	2012	2013	2014	2015	2016
JULY	60	57	64	80	83
AUGUST	41	43	70	82	86
SEPTEMBER	42	59	70	72	70
OCTOBER	46	49	45	62	84
NOVEMBER	50	62	58	70	64
DECEMBER	64	55	72	84	85
JANUARY	57	57	77	91	87
FEBRUARY	37	46	71	63	76
MARCH	62	65	68	88	91
APRIL	40	51	52	78	79
MAY	69	48	73	82	71
JUNE	53	66	60	84	72
TOTAL	621	658	780	936	948

The Rescue Company at Kahului Station has a total staffing of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter II's. There are five personnel on duty daily.

NAPILI FIRE STATION
4950 Hanawai Place
Lahaina, HI 96761
808.669.4300



A Watch

**Captain Shawn Rogers, FFIH Michael Mollalley,
FFI Steven Graver, FFI Russell Jones, and
FFI Matthew Ramsey**



B Watch

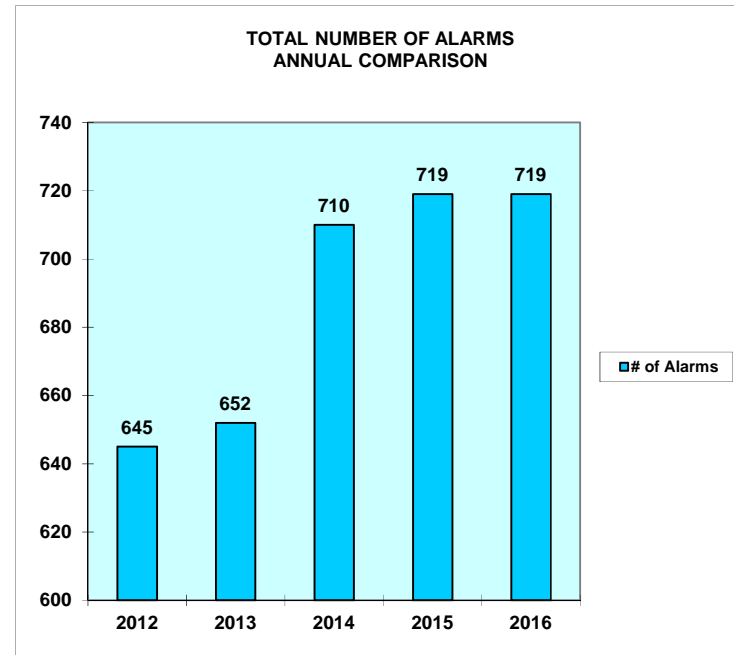
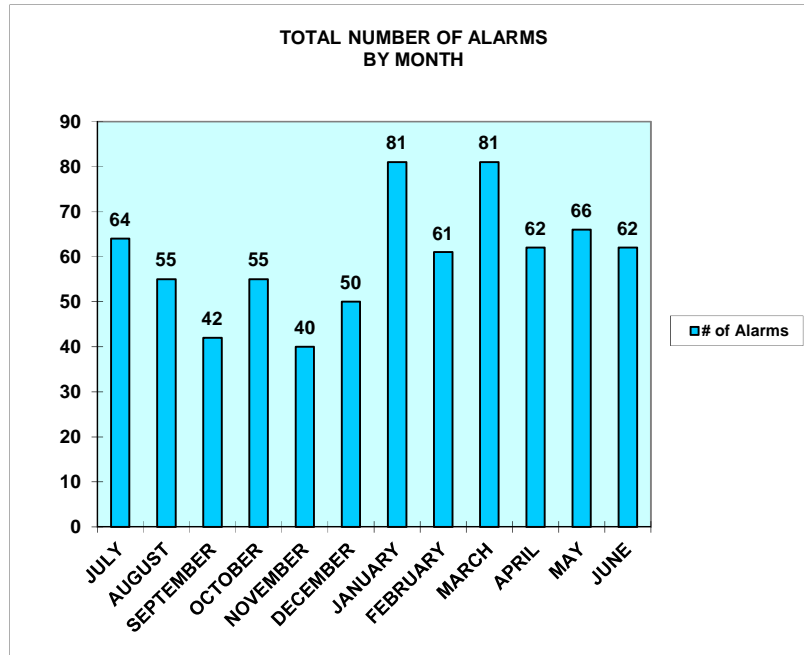
**Captain Derrick Chai, FFIH Kaleo Kealoha,
FFI Michael Grimes, and FFI Kai McLaughlin**



C Watch

**FFI Tony Twarowski, FFI Chase Johnson,
FFFIH Roderick Quintana, Captain Brad Ventura, and
FFI Kanoa Nishiki**

NAPILI FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY NAPILI STATION					
MONTH	2012	2013	2014	2015	2016
JULY	62	66	50	70	64
AUGUST	52	57	51	56	55
SEPTEMBER	47	65	53	47	42
OCTOBER	42	44	53	53	55
NOVEMBER	40	42	51	50	40
DECEMBER	56	42	87	60	50
JANUARY	54	55	68	87	81
FEBRUARY	73	65	57	74	61
MARCH	54	57	67	65	81
APRIL	48	71	68	56	62
MAY	66	50	45	54	66
JUNE	51	38	60	47	62
TOTAL	645	652	710	719	719

The Napili Fire Station has a total staffing of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter I's. The Napili Station houses one Engine Company. There are five personnel on duty daily. The Napili District sustained a total estimated dollar loss of \$62,800 in this fiscal year.

KULA FIRE STATION
199 Calasa Road
Kula, HI 96790
808.876.0044



A Watch
FFI Aaron Hughes (B Watch), Captain Patrick Shipman,
FFIII Jerry Painter, and FFI George Dagan.
Not Pictured: FFI Ross Cluney

B Watch
FFI Aaron Hughes, Captain James Brent,
FFI Edward Almeida, and FFI Jason Sanchez.
Not Pictured: FFIII Myles Ornellas

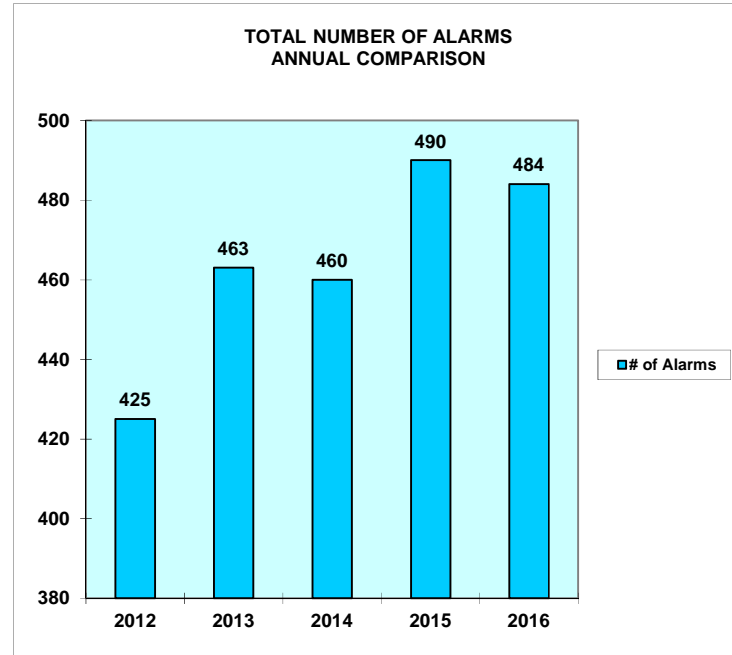
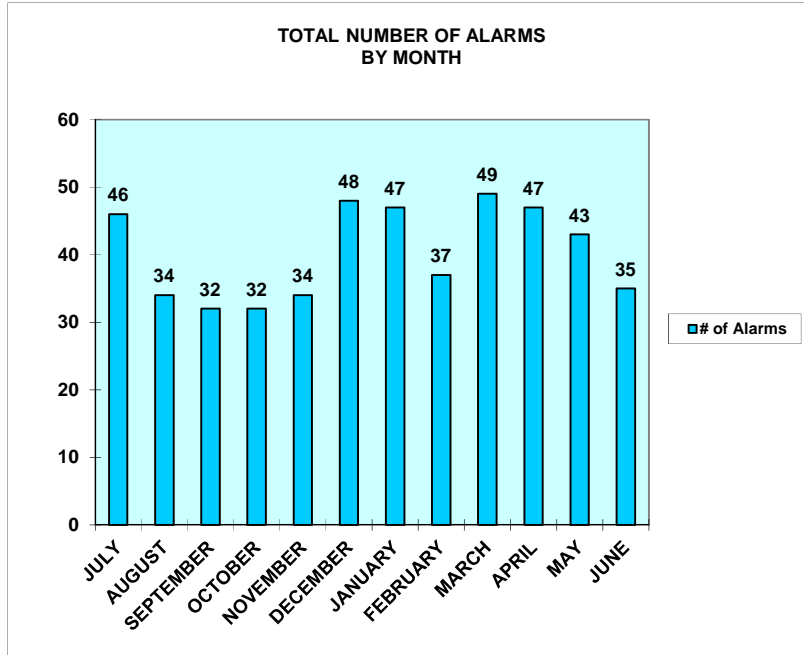


FFI Edward Almeida and FFI Jason Sanchez
During a rescue. Photo Credit: Mike MacDougall



C Watch
FFIII Glenn Okazaki, FFI Troy Tendo, and
Captain Michael MacDougall.
Not Pictured: FFI Michael Warman and FFI Daniel Wallace

KULA FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR					
COMPARATIVE SUMMARY					
KULA STATION					
MONTH	2012	2013	2014	2015	2016
JULY	50	51	39	52	46
AUGUST	51	40	34	32	34
SEPTEMBER	27	35	43	39	32
OCTOBER	23	30	42	29	32
NOVEMBER	33	33	31	44	34
DECEMBER	35	38	35	37	48
JANUARY	39	47	41	48	47
FEBRUARY	35	24	35	40	37
MARCH	34	45	37	48	49
APRIL	25	38	38	38	47
MAY	36	33	49	37	43
JUNE	37	49	36	46	35
TOTAL	425	463	460	490	484

The Kula Fire Station has a total staffing of 15 personnel. Three captains, three Firefighter III's, and nine Firefighter I's. The Kula Station houses one Engine Company. There are five personnel on duty daily. The Kula District sustained a total estimated dollar loss of \$247,400.00 in this fiscal year.

WAILEA FIRE STATION
300 Kilohana Drive
Kihei, HI 96753
808.874.8520



Ladder A Watch
Captain Eric Neuhart, FFI Clifford Nakoia,
and FFIII Kaponu Stuppelbeen.

Engine A Watch
Captain David Pentou, FFI Clifford Nakoia,
FFI James Aloy, and FFI Chad Leggett.
Not Pictured: FFIII William Injira and FFI Daryl Hoeche

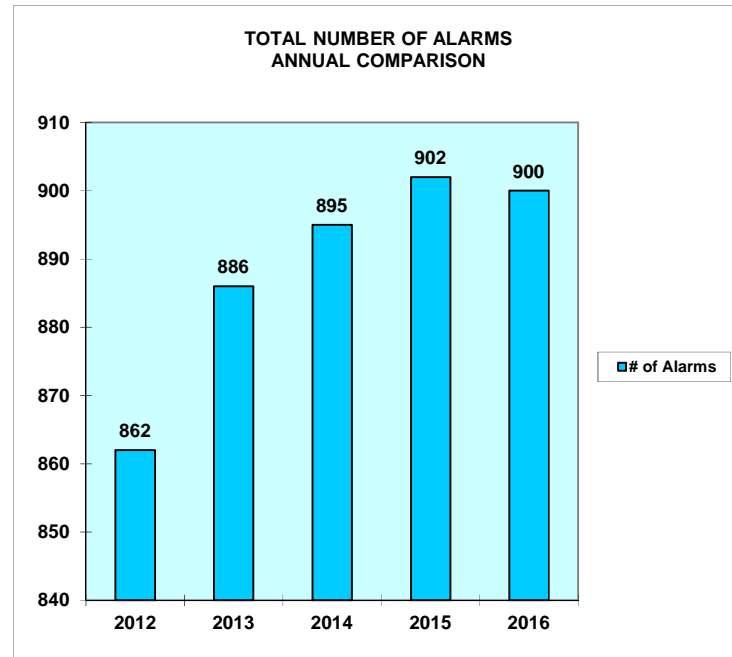
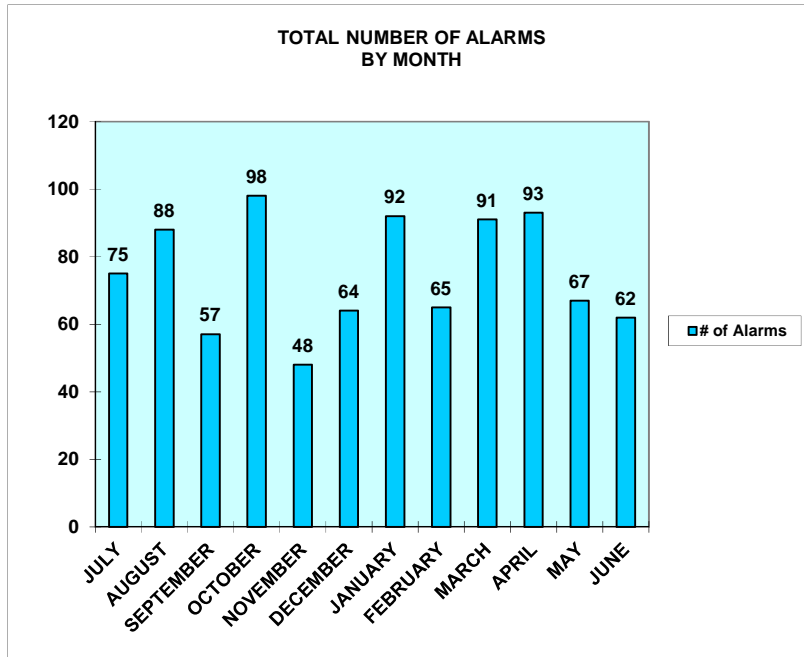


Engine & Ladder B Watch
FFI Micah Palmerton, FFI Cody Souza, FFI Keali'i Murray, FFI David Kamalani, FFI Oliver Vaas,
Captain Michael Werner, Captain Kawahamae Andrade, and FFIII Jodi Ebisu.
Not Pictured: FFIII Jeffrey Watanabe, FFIII David Yoshida, and FFI Jerry Javier



Engine & Ladder C Watch
FFI Kellen Yap, FFI Kaunoha Hong, FFIII Duane Handley, Captain Craig Delos Santos,
FFIII Jeremy Javier, and FFI Matthew Paet.
Not Pictured: Captain Christopher Platiro, FFI Brett Collett, and FFIII Ross Ohigashi

WAILEA FIRE STATION



NUMBER OF ALARMS DURING EACH MONTH OF THE YEAR COMPARATIVE SUMMARY WAILEA STATION					
MONTH	2012	2013	2014	2015	2016
JULY	108	87	71	58	75
AUGUST	61	66	56	79	88
SEPTEMBER	58	69	54	80	57
OCTOBER	68	51	75	98	98
NOVEMBER	69	58	77	95	48
DECEMBER	54	83	84	75	64
JANUARY	79	93	74	81	92
FEBRUARY	66	69	74	73	65
MARCH	71	107	95	69	91
APRIL	93	76	84	52	93
MAY	67	52	66	54	67
JUNE	68	75	85	88	62
TOTAL	862	886	895	902	900

The Wailea Fire Station has a total staffing of 33 personnel. Six Captains, six Firefighter III's, and eighteen Firefighter I's. The Wailea Station houses one Engine and one Ladder Company. There are eleven personnel on duty daily. The Wailea District sustained a total estimated dollar loss of \$978,099.00 in this fiscal year.

ALARM SUMMARY - FISCAL 2016

MONTH	WAILUKU	PAIA	LAHAINA	MOLOKAI	MAKAWAO	KIHEI	HANA	LANAI	KAHULUI	RESCUE	NAPILI	KULA	WAILEA	TOTAL	
	E-1/M1	E-2/M2	E-3/L-3/T3	E4/T4/E9/E12	E-5	E-6	E-7/M7	E-8/T8	E10/T10	R10/HM10	E-11/M-11	E-13/M-13	E-14/L-14/T-14		
JULY	156	83	209	46	106	95	20	12	75	83	66	64	46	75	1,136
AUGUST	159	69	169	40	109	93	14	12	79	86	66	55	34	88	1,073
SEPTEMBER	118	73	146	50	104	77	26	14	76	70	64	42	32	57	949
OCTOBER	134	65	159	60	91	90	18	16	67	84	77	55	32	98	1,046
NOVEMBER	154	67	117	35	78	94	20	11	66	64	63	40	34	48	891
DECEMBER	163	69	127	50	95	92	20	9	73	85	71	50	48	64	1,016
JANUARY	156	72	158	55	87	119	10	11	73	87	65	81	47	92	1,113
FEBRUARY	141	67	112	54	97	101	16	12	79	76	66	61	37	65	984
MARCH	167	74	174	46	115	110	17	11	72	91	75	81	49	91	1,173
APRIL	125	65	138	36	94	96	21	29	65	79	76	62	47	93	1,026
MAY	151	59	127	49	92	84	27	12	71	71	57	66	43	67	976
JUNE	128	59	128	43	84	115	13	12	59	72	62	62	35	62	934
TOTAL	1,752	822	1,764	564	1,152	1,166	222	161	855	948	808	719	484	900	12,317

DOLLAR LOSSES SUMMARY - FISCAL 2016

MONTH	WAILUKU	PAIA	LAHAINA	MOLOKAI	MAKAWAO	KIHEI	HANA	LANAI	KAHULUI	RESCUE	NAPILI	KULA	WAILEA	TOTAL	
	E-1	E-2	E-3/L-3	E4/E9/E12	E-5	E-6	E-7	E-8	E10/T10	R10/HM10	E-11	E-13	E-14/L-14/T-14		
JULY	165,000	1,301,300	0	0	9,000	0	0	0	2,000	0	0	20,000	1,300	0	1,498,600
AUGUST	800,000	63,200	0	0	0	5,000	0	0	50	0	0	0	1,100	1,349	870,699
SEPTEMBER	0	28,000	105,000	400,000	1,700	0	0	0	10,000	0	0	22,000	20,000	0	586,700
OCTOBER	633,000	29,000	20,000	0	100	5	0	0	0	0	0	0	0	26,750	708,855
NOVEMBER	8,200	500	0	0	0	300,600	0	0	7,000	0	0	0	0	0	316,300
DECEMBER	30,000	0	0	0	3,400	0	31,000	20,000	1,700	0	0	0	0	400,000	486,100
JANUARY	0	18,000	27,200	0	550	20,000	0	0	0	0	0	20,300	0	0	86,050
FEBRUARY	0	0	13,150	0	0	900	0	0	0	0	0	500	0	550,000	564,550
MARCH	10,500	0	70,000	0	3,100	500	0	0	0	0	0	0	0	0	84,100
APRIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAY	0	5,000	5,200	250	3,800	0	0	0	5,000	0	0	0	225,000	0	244,250
JUNE	850	0	0	0	0	0	0	0	0	0	0	0	0	0	850
TOTAL	\$1,647,550	\$1,445,000	\$240,550	\$400,250	\$21,650	\$327,005	\$31,000	\$20,000	\$25,750			\$62,800	\$247,400	\$978,099	\$5,447,054

RMS report-Monetary Loss

RMS report-Alarm Count by Station and Month

RMS report-Alarm Count by Apparatus and Month for All (E10-R10-HZ10)

FIRE TRAINING BUREAU

**200 Dairy Road
Kahului, HI 96732
808-270-7565**



**L-R: FFIII Modesto Jacinto, Captain Rylan Yatsushiro,
Office Operations Gail Morton, FFIII Wayne Tashiro, and
FFIII Greg Shinyama.**

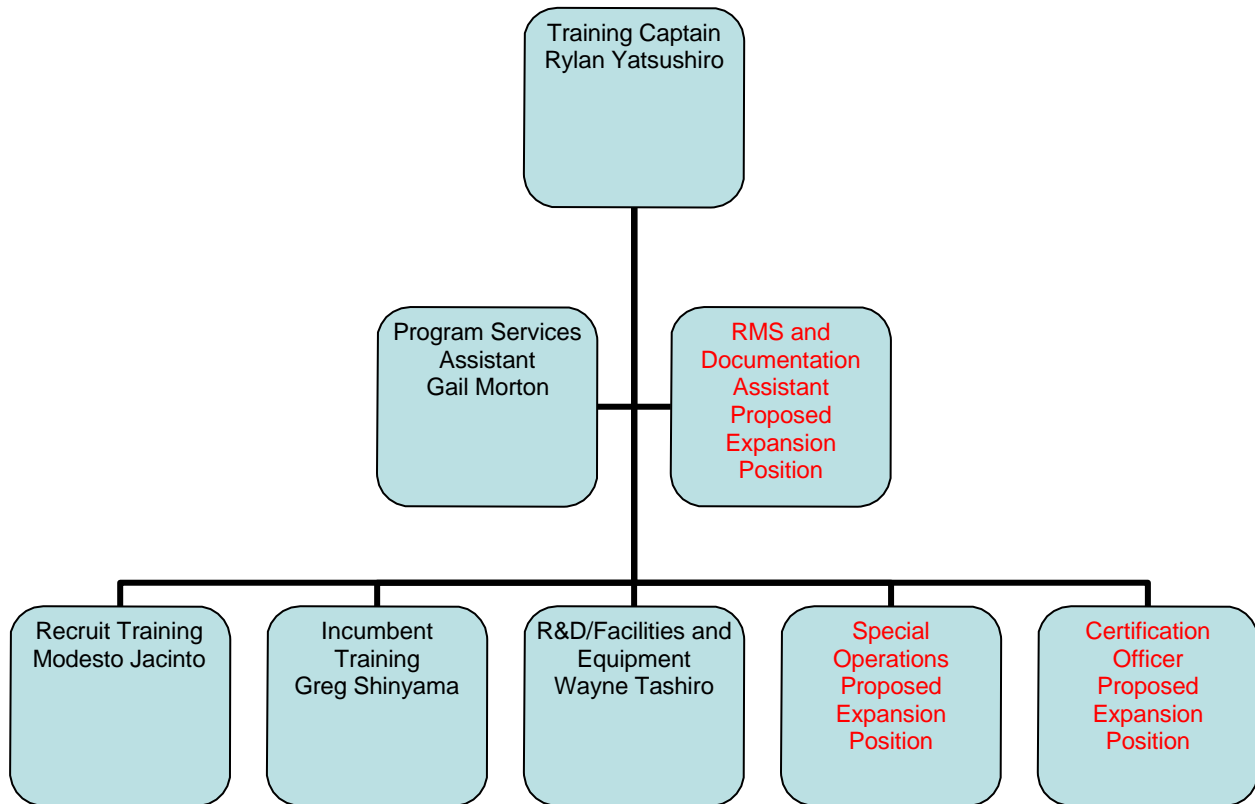


TRAINING BUREAU ANNUAL REPORT
July 1, 2015 – June 30, 2016

Introduction

Training for FY '16 was composed of assigned quarterly training, cadre lead drills/training, multi-company operation (MCO) drills, certifications for position requirements, professional development and re-certification training. All curriculum is based on national standards, local, state and federal laws. The Training Bureau schedules drills and training sessions with the intent of maintaining a reoccurring proficiency cycle. Quarterly drills based on national standards provide personnel with ongoing fundamental task level training for their respective positions. These drills give the company officer a structured lesson plan to follow when leading their crews. In FY '16, the Training Bureau made a push to create and index a cache of training video files. These files are linked to scheduled drill lesson plans. The videos provide a way to more clearly illustrate drill technique and objectives. Cadre lead training/drills and multi-company operations give the Training Bureau the ability to evaluate the effectiveness of training issued and identify areas that need to be focused on. The certifications offered and being maintained by the Training Bureau are for professional development and job/position requirements. Due to budgetary restrictions, we had the tough decision to limit the available certification courses. Many of these certifications will prepare our firefighters for future positions. Our special operations companies, Hazmat 10 and Rescue 10, require personnel to be trained and certified in different disciplines to fulfill the operational capabilities of those companies. Personnel who are temporarily assigned are also trained to the levels to satisfy the position requirements. The main goal of the training is to have safe operations on emergency scenes as well as provide the best service we can to the communities we serve.

Training Bureau Organization Chart



The organizational chart above reflects three expansion positions. Filling those positions is necessary to effectively meet the required levels of certification and re-certification, align with national consensus standards, document completion of required training, evaluate firefighter performance, and evaluate effectiveness of training.

There is a great need for an Assistant II position, who would be dedicated to manage our report management system. In this litigious society, justification and documentation is paramount. An assistant dedicated to the tasks of justification and documentation would limit litigation against the county. Currently, we are having difficulty keeping up with these important tasks.

A second position is desperately needed for Special Operations which includes the research, management and training of personnel assigned to Rescue and Hazmat. Rescue and Hazmat are highly specialized assignments that require special scrutiny. Training in these areas also includes specialized equipment and training locations. Maintenance of training equipment and training records are critical to the safety of these personnel. Currently, it is a joint effort between rescue and hazmat instructors, on duty rescue and hazmat personnel, and Training Bureau staff to organize and deliver necessary training in these special disciplines. We are moving forward but are disconnected in many ways because we do not have one leader that understands the entire picture and/or has the time to commit to this assignment.

A third and new request for a position is reflected in the organizational chart. This position is dedicated to position certifications. The responsibilities of this position are to organize, manage, and document all certifications and certification criteria that go out from the Training Bureau. This position is new due to the fact that the Maui County Fire Department Training Bureau looks to be an accredited certifying entity. The necessary attention in this position is very important from the perspective that meeting certification criteria is critical to legitimize certifications. Position certification is essential to a professional and proficient organization as well as provides the organization with a layer of defense against litigation. The department's professional development plan is made up of position certifications among other requirements.

Training Programs

Certain types of training require specialized and technical assistance and close supervision, which require a lead instructor. The Department has developed cadres to provide that technical, specialized assistance. Utilizing the "train the trainer" concept, we continue to send our instructors away to train the trainer courses and continued education to further educate and develop our instructors to teach our own. Currently, we are over 95% self sufficient in regards to the ability to teach our own people. The following training programs are organized by a program director with instructors trained to deliver the specific curriculum.

The current cadre system is an extremely efficient and fiscally responsible way of providing training disciplines to our personnel. While there are overtime costs involved with paying instructors and program directors, the majority of the training program management is done by program directors on straight time while they are on duty at their assigned station. In terms of cost, the cadre (train the trainer) system currently in use provides current, standards-based, and locally relevant training at a very small fraction of what it would cost to bring in outside instruction.

Emergency Medical Responder (EMR) / CPR

EMR and CPR 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.

Fire Apparatus Driver Operator Program - FADOP

In FY'16, all of our incumbent and temporarily assigned driver operators went through 4 hours of instructor led pump operator refresher training. In addition to the instructor led training, FADOP drills are assigned as part of the quarterly drill schedule to help meet job performance requirements of the driver operator position.



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. This course was held in September and October.



Fire Ground Operations

This program focuses on structure fires and all the tasks and tactics that come with responding to buildings on fire, which include forcible entry, rescue, fire control, ventilation etc. We do most of our training 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. In FY'16, the FGO program has conducted Department-wide live fire training that included multi-company operations, and thermal imager training.

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. All companies attended this course in the months of May and June.

Wildland

Wildland refresher training is delivered through assigned quarterly training to meet certain wildland training objectives, which include entrapment avoidance, current issues, fire shelter and safety issues. All online personnel go through this refresher training.

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. All refresher courses were held in the months of April and May.

Rescue Water Craft (RWC)

Safe successful operation of a rescue watercraft takes arduous training. All personnel working at fire stations with RWC's, complete a 24 hour hands-on operator course that tests the operator's ability to handle a RWC in high seas. One day RWC refresher classes were held in FY'16 for Kahului, Kaunakakai, and Hana personnel in the fall and winter months.



Hana, Kahului, Wailea, and Kaunakakai districts do operate rescue water crafts.

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. Quarterly drills are also occasionally assigned to review basic boat operations and procedures.

Ocean Rescue Operations

In FY '16, all personnel attended an 8 hour course which provided training on shoreline and water based rescue techniques in the months of September and October. The skills taught in this course were based on U.S. Lifeguarding Association recommendations. Most training days were conducted in districts assigned to attending on duty companies.

Helicopter Operations

In FY '16, all personnel were scheduled to attend a 4 hour course which provided training on safety and procedures with regard to Air 1 operations. Windward Aviation pilots and our trained Heli Ops cadre provided instruction for this very high risk discipline. This course was held in the month of February and some sessions were postponed to May and June due to the large Kahikinui brush fire in February which

occupied both pilots and aircraft.

Special Operations

Hazardous Materials - HAZMAT-10

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 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

Rescue personnel assigned to Rescue 10 maintain skills 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. On going 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.

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.

Airport Firefighter

Airport firefighter is a certification aligned with NFPA 1003. In a joint effort with State ARFF, firefighter recruits go through education and training to meet or exceed the job performance requirements for the airport firefighter certification.

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 to MFD personnel. MFD has personnel qualified to teach this course.

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 Rescue company. The process of restructuring the course to make it a Pro Board Certification was continued in FY'16. This course was delivered in May and certified 12 new personnel to the Technician level.



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.

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.

ICS 300

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). This course was delivered by in-house qualified instructors in the month of August.



ICS 400

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. This course was delivered by in-house instructors in the month of August.

Wildland S-215 WUI

This course is designed to assist structure and wildland firefighters who will be making tactical decisions when confronting wildland fire that threatens life, property, and improvements, in the wildland/urban interface. This course was held in the month of May.

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.

Hazardous Materials for First Responder Operations

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 department personnel are certified at the first responder operations level and are required to go through an 8 hr. refresher annually. The Hazmat instructor cadre provides this training.

Other Training

Training Newsletter

The Training Bureau is still using the Maui Fire Magazine as a means of communicating which includes national trends in the fire service, new techniques, training opportunities, and leadership concepts. The newsletter recaps the previous quarter's department training, which in turn keeps everybody informed of all the training that is ongoing and available. The magazine has been ongoing quarterly in FY '16.

Drill schedule

The drill is meant to be officer led, 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:

1. **NFPA 1001**, *Fire Fighter Professional Qualifications*
2. **NFPA 1002**, *Fire Apparatus Driver/Operator Professional Qualifications*
3. **NFPA 1021**, *Fire Officer Professional Qualifications*
4. **NFPA 1006**, *Technical Rescuer Professional Qualifications-Rescue Personnel*
5. **NFPA 472**, *Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents.-Hazmat Personnel*

There are three drills assigned to each company per month. Method of delivery, extent, and location of those drills are left to the company commander's discretion. The company commander is responsible for RMS completion and by doing so confirms the competency of that company.

Maui Fire Joint Training Center-MFJTC

In a joint relationship with State ARFF, we have secured a property close to the airport to do most of our hands on training. The MFJTC is little over four fenced acres with an approximately 8,000 square foot building on site. The MFJTC houses a 2,000+ square feet 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 locker room and kitchen facilities as well as a wellness and fitness gym. 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.



Blue Card Command

Blue Card Command is a computer based simulation training system that provides consistent and on going 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. The recertification of personnel began in FY '16 and is currently being conducted by all Officers and Acting Officers. Recertification includes a 5 hour online refresher module followed by a 40 question exam. Official recertification of all personnel will be conducted every 3 years.

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 tornado, 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 throughout FY'16 to increase proficiency and team cohesion.

Youth Programs

The Training Bureau has worked with many different organizations to provide workforce opportunities for youths. The relationships have been reciprocal, in the sense that, youth programs have offered working hands to help with the many duties that usually get overlooked when there is not enough manpower. MFD has worked with Kamehameha Schools and Maui High School intern programs.

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. Although we are not expected to provide the same services as those on the line of duty, we still need to uphold the Maui County Fire Department Mission Statement which is "To Protect and Preserve Life, Environment and Property."

- Blood Pressure Screenings (BPS) – Via Department of Personnel Services, quarterly BPS are provided to all County employees at the three main sites: County Building, One Main Plaza and Department of Motor Vehicle and Registration Office.
- ICS 100-200 is an on-going training provided to Lifeguard and Police personnel as needed.
- First Responder Operations (FRO) training was provided to the Maui Police Department.
- An extrication demonstration was also provided for the Maui Police Department and AMR.
- Seats in our certifications courses are always made available for county and

state departments.

NFA Sponsored Off-Campus 2-Day Programs

The National Fire Academy provides courses to City and County 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. MFD took advantage of the following course:

NFA 610 Wildland Urban Interface for Structural Officers: Provided valuable information with regard to fighting wildland fires in areas adjacent to urban environments.

NFA 729 Incident Safety Officer: Provided training on the responsibilities and qualifications for personnel to serve as official Safety Officers in the Incident Command System structure.

Summary

The Training Bureau is an ever evolving entity which supports the safe and effective operations of the Department of Fire and Public Safety. We will continue to progress and provide realistic training opportunities which will allow us to meet the needs of our Maui County community. The system of Training Program Cadres allow us to stay current, efficient, and fiscally responsible by allowing us to train our own. Because all curriculum is based on Certifications and National Standards, we can be assured that those pieces we pass on to our personnel are keeping up with the dynamic demands of the fire service.

In response to budgetary cuts, the Training Bureau has looked at other options for delivery of training and training programs. Bringing outside contracted instruction would cost many times more than what is currently spent. Staffing the Training Bureau with full-time trainers would also cost exponentially more. While the Bureau is always looking at ways to increase efficiency and cut costs, the current system of Training Cadres seems to be, by far, the most cost effective way of delivering training to our personnel.

FY '16 once again has shown the need for increased staffing in the Training Bureau. The Training Bureau continues to be a revolving door for new promotions. Each position is currently handling an ever increasing workload as we move forward with providing a more comprehensive training system. As this progression continues, the amount of time it takes for each new firefighter in the Bureau to get caught up to speed increases exponentially. We will continue to search for a solution to this issue.



(photo credit: Michael Neubauer)

FIRE PREVENTION BUREAU

**313 Manea Place
Wailuku, HI 96793
808.876.4690**



**L-R: Captain Paul Haake, Lt. Peter Davis, FFIII Edmund Wong Leong,
FFIII Michael Howe, FFIII Parrish Purdy, FFIII Garren Oura,
Office Operations Assistant Richelle Wakamatsu, FFIII Ryan Otsubo,
Account Clerk Darlene Manzano, and FFIII Lance Yokoyama.
Not Pictured: Lt. Maroe Smith**

Fire Prevention Bureau Annual Highlights July 01, 2015 - June 30, 2016

Personnel:

The Fire Prevention Bureau is staffed by 11 personnel that include a Captain, two Lieutenants, six Fire Inspectors, an Account Clerk, and an Office Operations Assistant.

The two Lieutenants handle all plans review assigned to the Bureau through the County's permitting process. During the plan review process, fire and life safety related items are checked for State and County Fire Code compliance. Reviews are done on new construction of, and renovation for commercial and residential projects, large event set-ups, new subdivisions, and installation / renovation / repair of fire and life safety systems.

The six inspectors handle all inspections related to new construction of buildings, renovation projects, requests for services, special permit issuances, and community concerns in regards to fire safety. One of the inspectors is assigned full-time to Molokai and handles all prevention duties for that island. Another inspector, along with doing inspections, is assigned to process and schedule all requests for public education such as fire extinguisher training, safety presentations, and the Firefighter Safety Guide Program.

The Account Clerk handles all money transactions of the Bureau. This person's duties also include auditing of fireworks permits and storage. The Office Operations Assistant handles all record-keeping and filing, parcel research, and important office-related tasks.

- One of the bureau's two plan reviewers, a 16-year veteran of the bureau, retired in December 2015. The position was filled in April 2016 by promotion of an inspector within the bureau. The vacant inspector's position was filled in May 2016.
- Another inspector was assigned to the bureau in June 2016 after a vacant position was incurred due to a lateral transfer of an inspector to operations. All positions within the bureau are currently staffed.

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.

- Two staff members attended an 8-day training course at the University of Maryland's Fire Academy to achieve pro-board certification as Inspector I. **Oct. 2015**
- Three staff members attended a 2-day training class provided by the National Fire Protection Association on plan review and inspection of fire sprinklers for 1- & 2-single family dwellings. This class was sponsored by Honolulu Fire Department. **Oct. 2015**
- One staff member attended a week-long training conference put on by the International Fire Marshal's Association. Topics included: Fire Protection Engineering Basics, Cannabis Facility Design, High-piled storage, and HAZMAT inspections. **Sept. 2015**
- Two staff members attended a 3-day training seminar sponsored by the Hawaii Chapter of the International Association of Arson Investigators. Topics included: Job Requirements for Investigators (NFPA 1033), Scientific Method for Fire Investigations (NFPA 921), and a live-burn. **Sept. 2015**
- Two staff members attended a week-long training for new fire investigators and continued education for current personnel assigned to fire investigations. This training covered NFPA 921, the guide for fire and explosion investigations, and NFPA 1033, the standard for professional qualifications for a fire investigator. **December 2015**
- Bureau personnel attended a two-day class sponsored by Maui County's Building Department. This training covered the following topics from the International Building Code, the county's adopted building code: Means of Egress and Building Code Basics for Commercial Occupancies. **January 2016**
- Bureau personnel attended a one-day class on significant changes to NFPA 1, the county's adopted fire code. Training for conducting hazardous materials inspections was also provided. **February 2016**
- One staff members attended a week-long class, "EduCode", put on by the International Code Council. This training focused on code sections of the International Building Code (IBC), Maui County's adopted building code. Training on the following topics was provided: IBC Occupancy classifications, commercial kitchen hoods, IBC construction types, Means of Egress components, and flammable & combustible liquids. **March 2016**

- Two staff members attended a 40-hour training course on fire investigations sponsored by the International Association of Arson Investigators (IAAI). This training course is utilized as continued education for personnel assigned to fire investigations and as an introduction into fire investigations for new bureau personnel. **May 2016**
- Two staff members attended the National Fire Protection Association's World Safety Conference and Exposition. This was a week-long worth of training on various topics regarding fire prevention and life safety and also included an expo on the latest gadgets and technologies within these fields. June 2016

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 firefighters, provided the following types of training and education to members of our community:

- Through the Keiki ID program, which is provided at the request of organizers of various community safety events such as the Kiwanis Keiki Fest, Lihikai School Bazaar, MEO Family Days, Kihei Youth Center, Maui County FCU and Hawaii USA, approximately **1,100+** children were provided with the County's Keiki ID. This interaction allowed Bureau members to share fire and life safety tips and gave families something tangible that captures valuable information that could assist with keeping their children safe. Hawaiian Commercial & Sugar (HC&S) continues to show special interest in this program. HC&S has purchased printer supplies for the program and provided assistance with manpower at certain events; with their partnership, the program continues to be a successful way to interact with the public and share fire safety information.
- The Fire Fighter Safety Guide (FFSG) Program provides fire safety education to the county's grade school children. A total of **13,200** guides were distributed to students from Kindergarten through the Fifth grade throughout Maui County schools. One student and teacher were selected as t-shirt winners from each class that completed 100% of their safety guides; there were 156 t-shirt awardees. The program culminated with the annual awards luncheon that spotlights one student and teacher from each of the participating schools. There were **34** lucky winners (17 students and 17 teachers) invited to the luncheon which was also attended by representatives from HC&S, FIRE, the Mayor's Office, and other program sponsors. Again this year, the luncheon and t-shirts were funded by a very generous grant received from the A&B Foundation.
- With the use of the Fire Safety House **480+** 2nd graders from **3** of our schools were taught about fire safety and prevention. Students tour

through the trailer and participate in an interactive learning program that provides education about Fire Hazards, emergencies(911), what to do if their clothes catch on fire, what to do if the house is on fire, and fire escape planning. The tour finishes with an actual evacuation practice drill that utilizes theatrical smoke to simulate a fire in the home. Each presentation takes approximately 25 minutes. Our continued outreach to the schools with the safety trailer is still well received. The teachers and students look forward to our annual visit.

- As part of Fire Prevention Week, the Fire Prevention Bureau and on-line fire crews provided a demonstration to the Maui County community that highlighted fire fighting and life safety skills and fire prevention messages. The demonstration at Keopuolani Park on October 22, 2015 hosted approximately **100+** attendees. The show lasted approximately 2 hours and utilized up to 6 apparatus, Air 1, other department vehicles, and approximately 30 personnel.
- There were approximately **208** safety presentations provided to businesses and community groups. Topics such as kitchen safety, workplace safety, fire extinguisher training, and fire prevention were discussed.
- The Fire Extinguisher Training program provided hands-on training to approximately **670+** persons. This training covered the following: 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 takes approximately 45 minutes and ends with a safe, live-fire simulation that allows hands-on training with a fire extinguisher.
- Smokey Bear and/or Sparky made appearances at **15** events during this fiscal year.
- By far the most requested education opportunity is still the Fire Station and School Visits. This past year the department participated in a total of **70+** station and school visits with approximately 27 visits occurring within the month of October – Fire Prevention month. Included in this total were visits to day-care and home-care groups, as well as various children programs. Each visit consisted of a safety presentation and/or a tour of the fire station, fire trucks and equipment. The visits usually end with the children shooting water from small fire hoses with the assistance of a firefighter. Each tour or visit lasts approximately one hour.
- The Smoke Alarm Maui (SAM) program stresses the importance of smoke alarms within the home. This program was created to provide and install working smoke alarms in homes without them. Originally implemented in early 2012 with monies provided by the Assistance to Firefighters-Fire

Prevention grant, this program was allowed to continue with a grant through the State Fire Council that acquired 400+, new, 10-year lithium battery smoke alarms. During this fiscal year, a total of **25** smoke alarms were installed in **5** separate residences. As with all installations, home safety surveys were used educate recipients on identifying and reducing common fire risks within the home with a heavy emphasis on emergency evacuation planning. This program continues to be a bright spot for the department.

Office/Equipment:

- 4 new F150s were purchased. Three of the vehicles replaced existing vehicles. The fourth vehicle completed our fleet of inspection vehicles so that all assigned personnel to the bureau have a vehicle.
- Acquired 2 smaller sized, Class A extinguishers for use in the hands-on portion of the bureau's fire extinguisher training program.
- Acquired a flammable/combustible liquid cabinet and an exterior LPG storage cabinet for proper storage of hazardous materials at the Fire Prevention Bureau's warehouse.
- Purchased a new ID printer for issuing MFD identification badges.

Working Statistics:

- A. The Fire Prevention Bureau reviewed 2,963 building permit plans during this fiscal year.
- B. Issued 691 fireworks permits to include fire crackers, aerial shows, retails and wholesale licenses.
- C. Issued 45 permits for fuel tanks (propane and flammable/combustible liquids).
- D. Issued 118 Tent and Booth permits.
- E. A total of 30 public and private schools were inspected, and 66 pre-school inspections were conducted.
- F. The Fire Prevention Bureau conducted 36 in-depth fire investigations during this fiscal year. These fire investigations only include those incidents where technical help was needed to document the scene and determine the fire cause. Unfortunately, there were 2 reported deaths that were associated with fire incidents during this fiscal year.

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:

The State of Hawaii, through the State Fire Council and the Fire Prevention Committee, has begun review of 2015 edition of NFPA 1, the state's next proposed-for-adoption fire code. A consolidation of the proposed state amendments should be completed in July 2016 with work on specific county amendments to follow shortly thereafter. The State's adopted fire code at this time is the 2012 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.
- Assist the Department of Fire and Public Safety in achieving recognized accreditation.
- Ensure that staff members are kept current with codes, standards, and new technologies in an effort to provide quality service to the community.

HEALTH & SAFETY BUREAU

**313 Manea Place
Wailuku, HI 96793
808.270.7122**



Captain Conrad Fernandez, FFIII Michael McDonald, and FFIII Matthew Mann

Health and Safety Bureau Annual Highlights July 1, 2015 – June 30, 2016

Introduction

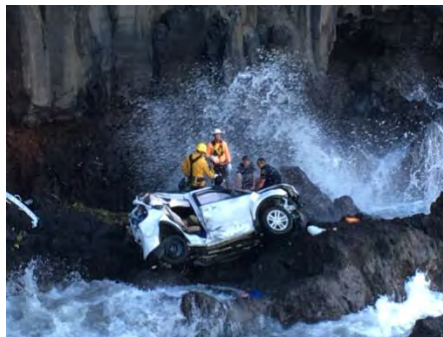
Firefighting as an occupation has become increasingly hazardous to our long-term health and immediate safety. The responsibilities of the Maui Fire Department in the realm of public safety has expanded significantly; responding to incidents involving exposure to Cancer causing smoke attributable to contemporary building construction, intimate contact with toxic materials in all forms, blood and body fluids, highway traffic, hi-risk land and ocean-based rescue and compounded by environmental, physical and traumatic psychological extremes. The number and scope of hazards to which our Firefighters are routinely exposed have grown considerably.

In the course of public service, our Firefighters have duties that predispose them to occupational health hazards and adverse medical conditions that can develop virtually unnoticed throughout their careers. Although we may be fitter than the general population, Firefighters are routinely exposed to carbon monoxide, cyanide, and other toxic substances as well as strenuous physical and atypical psychological demands that may lead to premature Heart Disease, the likelihood of contracting a Fire Service Cancer and Post-Traumatic Stress.

Modern firefighting is scientifically recognized by the WHO, NIH and various credible organizations as an occupation at “High Risk” for the distinct development of job-related Cancers, Heart Disease, and Traumatic Occupational Stress.

Premature death, disease, and/or disability are a grim reality that many firefighters now face in the modern fire service. The average length of retirement nationwide in the fire service is a meager 10 years. Unfortunately, the Department and our membership are not immune to this troubling statistic.

To this end, the Health and Safety Bureau is committed to address those modern day health hazards and actively promotes firefighter wellness, safety, performance, and longevity thru compliance with national standards, education, and research. The Health and Safety Bureau is determined to mitigate the occupational hazards that our firefighters encounter daily and is a critical component of the County of Maui Department of Fire and Public Safety.



Organization and Responsibilities

The County of Maui Department of Fire and Public Safety's Health and Safety Bureau (HSB) consist of three (3) personnel: a Health and Safety Officer (HSO), and two Assistant Health and Safety Officers (HS2, Hs3).

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

- Fire Ground Medical Assistance and Rehabilitation (Hydration, Medical Monitoring, and Sustenance) for emergency incidents and training exercises; NFPA compliant.
- Respiratory Protection Program for SCBA (Self Contained Breathing Apparatus) and Air Fill Stations; OSHA and DOT compliant.
- Infectious Disease and Exposure Control Program for Blood Borne Pathogens and Personnel Exposures; OSHA compliant.
- Personal Protective Clothing Disinfecting, Cleaning and Maintenance Guidelines; NFPA compliant.
- SCBA Ensemble Disinfecting and Cleaning Procedures; exceeds existing standards.
- Regulated Bio-Waste Cleanup and Disposal Procedures; OSHA compliant.
- Emergency scene and training exercise safety monitoring and guidance.
- Essential Emergency Medical/Safety Supplies; requisitions, procurement and delivery.
- Recruit Class Hepatitis A/B Vaccinations and Incumbent Medical supervision.
- Health, Wellness, Physical Fitness and Injury Prevention Education.
- Behavioral Health Monitoring- Critical Incident Stress Management (CISM).

Furthermore, the HSB coordinates various public service activities, including first-aid support at special public events including health fairs, youth and senior sports tournaments, and quarterly blood-pressure screenings at Maui County facilities.

Finally, the HSB utilizes and maintains two passenger vehicles, our specialized Air and Light Apparatus and a mobile rehabilitation trailer for use at emergency scenes and long-term training exercises.

Highlights of Activities For FY 2015-2016

The HSB continues to manage and develop its major programs and services.

Highlights from 2015-2016 fiscal year include the following:

- General compliance with OSHA CFR 1910.134
- Worked with Department Grant Writer to apply for grant to purchase new SCBA to replace aging inventory.
- Obtained MRE (Meals Ready to Eat) and distributed to each station for use in case of an emergency with limited food supply.
- Updated fit test computer software to enable us to improve annual SCBA Testing for personnel.

- Assisted in Accreditation Process for the Department.
- Annual Fit-testing of all MFD personnel, specialized MPD riot control teams SCBA face masks and served as a County-Wide resource for fit-testing and guidance.
- Hydrostatic testing, routine repairs, asset tracking and inventory of all SCBA Scott Bottles Department wide.
- Annual testing, periodic repairs and documentation of all SCBA harnesses and breathing air regulators Department wide.
- Annual service maintenance for our four (4) breathing air compressors used to fill SCBA bottles. There are three (3) fixed facility fill stations located at Paia, Wailea, and Lahaina Fire Stations along with our mobile Air and Light Apparatus.
- Quarterly air sampling and carbon monoxide meter calibration for those compressors.
- Responsible for proper use and maintenance of our Turnout washing machines that extract soot/toxins and disinfect PPC. MFD now has eight (8) industrial extractors available for all-purpose decontamination of firefighting structural turnout ensembles (Hana, Makawao, Kahului, Wailea, Lahaina, Lanai, Molokai, and the Maui Fire Joint Training Center in Kahului).



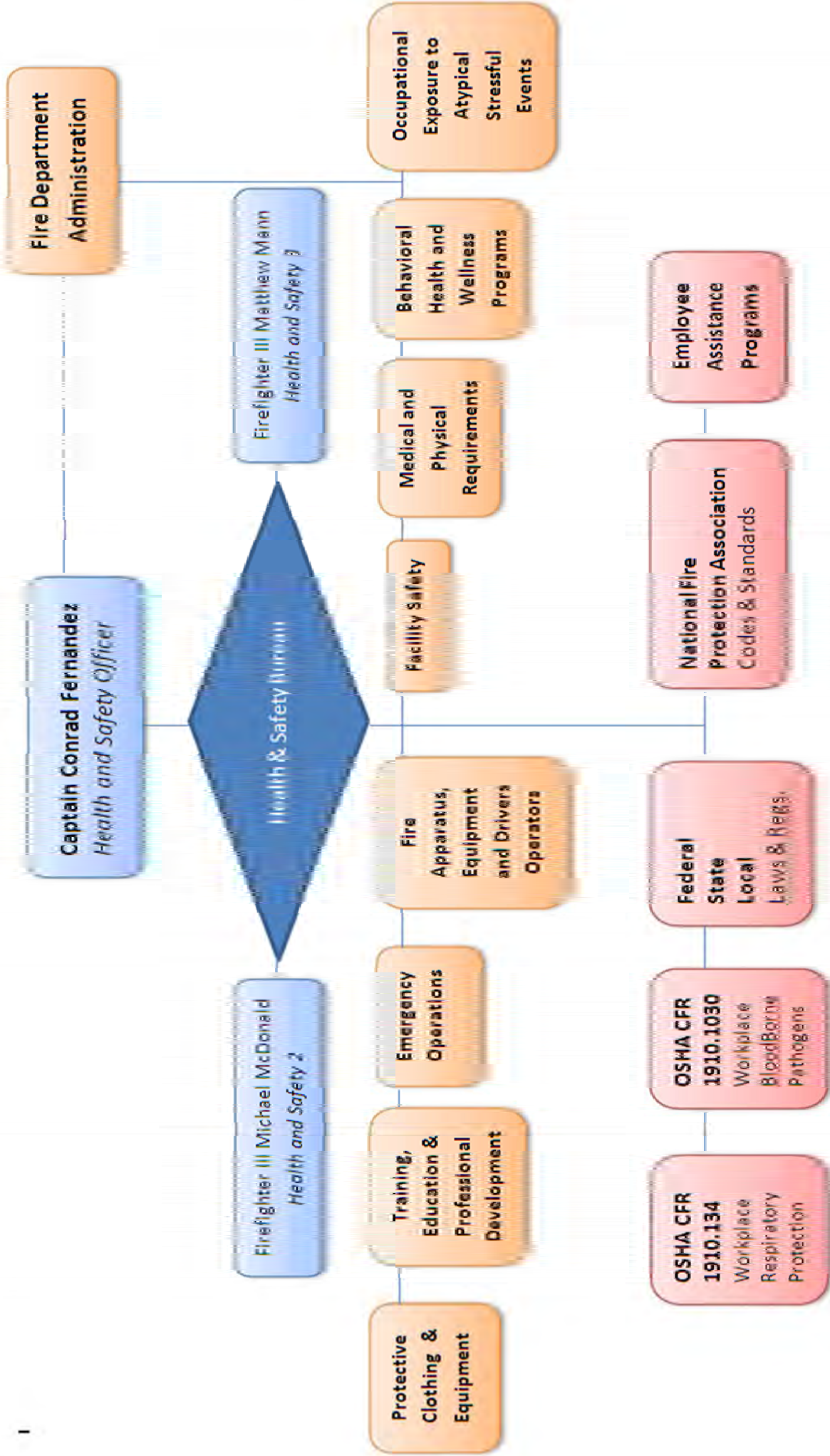
- General Compliance with OSHA CFR 1910.1030.
- Management of personnel exposure records and guidance on procedures involving suspected work exposures to blood borne pathogens.
- Continued coordination with Maui Memorial Medical Center ER and MMMC Disease Control Officer to expedite admittance of MFD personnel in the case of suspected work exposures and ensuring post-exposure procedures.
- Joint Training Bureau and Health and Safety Quarterly Newsletter highlights current life-saving information and procedures specific to mitigating the hazards of firefighting as well as general occupational health, safety, and fitness issues.
- The HSB has conducted station visits educating firefighters on the occupational hazards inherent to firefighting, particularly causality for work-related Heart Disease, Cancer, and Preventative Measures.
- Continuing to provide assistance and guidance for the Critical Incident Stress Management and Peer Support Program.

- Conducted medical monitoring and rehabilitation services (work/rest cycles, energy/fluid replenishment) at various emergency incidents and training exercises, and supplied equipment and training for other departmental entities to do the same.
- HSB assisted the Training Bureau with recruit training including an overview of Fire Service Health and Safety, Vaccinations, Emergency Medical Response, High Performance CPR Instruction, High Pressure Cylinder Fill Station Operations, and served as General Resource.
- HSB Assisted the Training Bureau with establishing safety plans for training exercises.
- Conducted quarterly blood pressure screenings at Maui County Facilities.
- Provided first-aid support at various public events, including County of Maui sponsored events via Kaunoha Senior Center such as the Memorial Day “Blossoms for the Brave”, The Kurt Suzuki Baseball Clinic, Various Community Health Fairs, and numerous youth sport events.



Administrative Activities

- HSB submits weekly reports to the Fire Department Administration.
- The HSO submits monthly expenditure reports.
- The HSO attends quarterly staff meetings.
- HSB personnel complete monthly apparatus reports and update the administration on maintenance and repair needs.
- HSB personnel manage various medical, safety, and essential equipment stock, inventory, maintenance, and procurement needs for emergency medical response Department wide.
- HSB routinely serves as a general subject matter resource for personnel providing guidance and support in occupational safety and health issues.



HEALTH AND SAFETY BUREAU FLOW CHART

Ocean Safety

21 Kinipopo Street
Wailuku, HI 96793
808.270.6140

Junior Lifeguards



**Battalion Chief Colin Yamamoto, Captain Kekai Brown,
Clerk III Emme Cabacungan, and Operations Manager Cary Kayama**



**OSO I Darren Quinsaot, OSO I Mitchell Navarro, OSO I Jordan Pu'u Ng,
OSO I Jordan Ware, and OSO I Dannon Chu**



Ocean Safety Bureau Annual Highlights July 1, 2015 – June 30, 2016

Reorganization

With the reorganization of Ocean Safety under Parks and Recreation completed in June 2015, FY 2016 marked the beginning of implementing the changes needed for a better transition to the Department of Fire and Public Safety. A new personnel interview process was developed which incorporated resumes', written, and practical exams which made selection more objective and based on measureable merits. Nine new lieutenant positions were filled to provide supervision at the nine beaches with lifeguard towers. Performance measures were updated and the minimum qualifications (MQ's) were revised to reflect the training requirements in the new position descriptions (PD's).

Training

Training continued to be emphasized throughout the fiscal year. Training and district captains attended reasonable suspicion and EAP 101 classes sponsored by DPS. Specific training on professionalism was given to all captains to improve customer service, modify perception, and gain support from the community. The end result of this training answered the important question of "What's in it for me?" The nine promoted lieutenants received Performance Evaluation training. Emphasis was made to document exceptional performance and give monthly feedback on both motor and cognitive skills. Reinforce good behavior and modify substandard expectations based on position descriptions.

Hawaii Drowning & Aquatic Injury Prevention Advisory Committee

The Ocean Safety Bureau was requested to be a member of the Hawaii Drowning & Aquatic Injury Prevention Advisory Committee. This statewide advisory committee holds quarterly meetings on Oahu and is responsible for prevention and education initiatives to minimize and raise awareness to drownings in the aquatic environment. Effective messaging backed up by survey data coordinated by Hawaii Tourism Authority is one way this advisory committee is helping to reduce death and injury to visitors and residents of the Aloha State.

HGEA Bargaining Unit 14

HGEA BU 14 and the employer group went into arbitration hearings in November 2015. The arbitration award was finalized in March 2016 and ratified by all counties in May 2016 resulting in a 16% pay raise for Ocean Safety Officers (OSO's), rescue watercraft operator pay, and other benefits. Maui Fire Department (MFD) is committed to work closely with HGEA BU 14 staff and to consult on matters affecting members pay, work schedule, and other policies affecting employee relations. MFD held a Q and A session in June 2016 to address any issues and concerns OSO's had just prior to the July 01, 2016 merger.

Initiatives

Ocean Safety Bureau continued to assist the Rotary Club Kihei-Wailea and the Will Smith Foundation with their project to install rescue tubes along the coastline of Maui. Rescue tubes are a 24 hour a day, 365 days a year life saving floatation device that can be used by good Samaritans to keep distressed victims afloat until OSO's or MFD Fire Fighters arrive. Rescue tubes have been used successfully in Hawaii and other places throughout the world.

Besides ocean related emergencies, MFD responds to mountainous terrain due to hiking injuries and flash flooding. A 35 second video of an actual flash flood in a popular hiking area with safety recommendations is now available for viewing on the home page of the County of Maui website.

Worked with GIS to map County of Maui Parks with lifeguard towers. This will be used to identify areas between Parks and Recreation and MFD specified in an MOU.

Partnered with DLNR's Division of Aquatic Resources (DAR) and Division of Conservation and Resources Enforcement (DOCARE) to revise and update shark bite/sighting protocol.

Coordinated 26th annual Ocean Safety and Drowning Prevention Conference hotel location and conference agenda with guest speakers.

FY-2017 budget was submitted in October 2015 and like every department and division, the approved FY-2017 budget was trimmed back considerably reflecting the FY-2016 budget. Budget hearings were attended to give testimony on justification of expansion positions and vehicle/equipment needs.



MAUI INCIDENT MANAGEMENT TEAM

Program Summary
June 2011-August 2016

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 administrators 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 and 2015 introduced an additional 100 attendees from 9 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, and to the City & County of Honolulu in April and November 2015.

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,

Resources Unit Leader, Planning Section Chief, Logistics Section Chief, Public Information Officer, Safety Officer and Division Group Supervisor.

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 responders and emergencies at the annual Maui County Fair in 2011, 2012, 2013, 2014 and 2015. The team has also participated in the annual 93rd Civil Support Team WMD exercises in 2011, 2012, 2013, 2014, 2015 and 2016, the Maui Prescribed Fire 2013, Molokai Prescribed Fire 2015, Maui Prescribed Fire 2016 and the annual Makani Pahili state-wide hurricane exercises in 2011, 2012, 2013, 2014, 2015 and 2016.

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, WA, 2015-Wolverine Fire, WA, and to the 2016-Arizona Wildfire Incident Management Academy.

Team Size

The Maui Incident Management Team currently has members credentialed to Type 3 level in the following positions: Incident Commander (5), Liaison Officer (2), Safety Officer (3), Operations Section Chief (5), Planning Section Chief (4), Resources Unit Leader, Logistics Section Chief (3), Medical Unit Leader, and Finance Administration Section Chief (2). It is our objective to have a roster that includes Type 3 credentialed members as: Public Information Officers, Communications Unit Leaders, and Situation Unit Leaders. To build team depth and resiliency we plan to have members at least three (3) deep in each position.

The incident complexity and duration will typically determine the size of the IMT needed. We plan to deploy with a “short team” and identify what additional resources are needed for the team. This short team will typically consist of the following: Incident Commander, Deputy Incident Commander, Safety Officer, Operations Section Chief (2), Planning Section Chief (2), Logistics Section Chief (2) and a Finance Section Chief. Once the short team identifies the needs of the incident and its responders we will work with the Agency Administrator to fill additional IMT positions as needed.

Agency Participation

To date the Maui Incident Management Team Program has trained responders in Maui County, City and County of Honolulu, Kauai County, Hawaii County, the State of Hawaii, American Samoa, the National Guard, U.S. Coast Guard, Maui Electric Company, Maui Hotel Security Officers Association, and Goodfellow Brothers.

The following departments/agencies have attended: Maui Fire Department, Maui Police Department, Maui Civil Defense Agency, CoM-Public Works, CoM-Ocean Safety, CoM-GIS, Honolulu Fire Department, Kauai Fire Department, Kauai Police Department, Hawaii County Fire Department, State Aircraft Rescue Firefighters, State DLNR-DoFaW, State Department of Health, American Medical Response, Kahului Airport management, Maui Memorial Medical Center, 93rd Civil Support Team, Hawaii National Guard, and the U.S. Coast Guard.

Train the Trainers

When we first developed our proposal to fund this IMT training, we included a “promise” to take the train the trainer courses at EMI so that we could eventually teach others. The following personnel have been qualified to teach the listed courses:

1. David Thyne-Incident Commander, Operations Section Chief, Planning Section Chief, Logistics Section Chief, Finance/Administration Section Chief, Liaison Officer
2. Michael MacDougall-Operations Section Chief
3. Steven Thyne-Operations Section Chief
4. Ross Ohigashi-Logistics Section Chief
5. Jeff Giese-Operations Section Chief, Safety Officer
6. Brad Ventura-Planning Section Chief
7. Mike McDonald-Safety Officer
8. Patrick Fukuda-Finance/Administration Section Chief
9. Kaulana Kino-Incident Commander, Planning Section Chief, Logistics Section Chief, Safety Officer

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.

We will continue to increase our involvement in the community to give back to those that have supported us. In December 2013 and March 2016 the Maui Incident Management Team managed a Prescribed Fire conducted by Maui Fire Department resources and State Forestry personnel to remove hazard fuels in the Puunoa area which is mauka of Puamana as you enter Lahaina town. Approximately 80 acres of brush and grass were “controlled burned” over a five day period in an attempt to lessen the risk of fires in the area.

On February 2-7, 2015 the Maui County Fire Department, Maui Incident Management Team, County of Maui Department of Public Works Kalaupapa National Park Service personnel and Hawaii Fire Department personnel, in consult with the Hawaii Department of Health, Maui Police Department, and the Department of Hawaiian Homelands, worked together in a multi-agency effort to conduct the exercise. In total 40 fire service personnel, 6 Law enforcement and 2 Public Works personnel were trained during the exercise. This prescribed, or controlled fire 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. The live fire training was conducted north of the old Kalamaula area and west of the Kalamaula Mauka subdivision on the Island of Molokai. The burn area consisted of 60 acres of wildland urban interface, broken down into separate blocks burned each day of the exercise. It is a goal of the Maui Incident Management Team to conduct future controlled burns in other areas that are typically threatened by large brush fires.

Summary

The Maui Incident Management Team program has now trained over 400 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 administration and grant partners we are prepared to be a regional resource that not only deploys local incidents, but incidents within the region that require an All Hazard Incident Management Team.

4-YEAR EXPENDITURE SUMMARY FISCAL YEAR 2015-2016

DEPARTMENT PROGRAMS

Administration/Maintenance Program

	FY 15/16	FY 14/15	FY 13/14	FY 12/13
Personal Services:	1,403,784	1,440,515	1,169,436	1,038,703
Other Current Expenses:	902,431	1,090,197	820,338	638,510
Equipment:	125,505	211,819	27,616	0
TOTAL	2,431,720	2,742,531	2,017,390	1,677,213

Fire/Rescue Operations Program

	FY 15/16	FY 14/15	FY 13/14	FY 12/13
Personal Services:	24,462,321	24,310,236	20,767,830	20,420,914
Other Current Expenses:	3,074,302	2,511,229	2,538,958	2,520,553
Equipment:	445,751	396,451	56,549	532,399
TOTAL	27,982,374	27,217,916	23,363,337	23,473,866

Training Program

	FY 15/16	FY 14/15	FY 13/14	FY 12/13
Personal Services:	531,466	579,347	499,667	474,802
Other Current Expenses:	379,766	483,926	304,171	330,708
Equipment:	49,514	212,325	75,520	58,655
TOTAL	960,746	1,275,598	879,358	864,165

Fire Prevention Program

	FY 15/16	FY 14/15	FY 13/14	FY 12/13
Personal Services:	640,826	696,550	640,693	610,245
Other Current Expenses:	80,772	160,361	84,308	110,445
Equipment:	1,159	5,455	7,727	0
TOTAL	722,757	862,366	732,728	720,690

4-YEAR EXPENDITURE SUMMARY FY 2015-2016 DEPARTMENT PROGRAMS

Admin./Fire & Public Safety Comm./Maintenance Garage					
	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
Personal Services:	\$ 1,046,601	\$ 1,038,703	\$ 1,169,436	\$ 1,440,515	\$ 1,403,784
Other Current Expenses:	\$ 945,038	\$ 638,510	\$ 820,338	\$ 1,090,197	\$ 902,431
Equipment:	\$ 5,438	\$ -	\$ 27,616	\$ 211,819	\$ 125,505
TOTAL	\$ 1,997,077	\$ 1,677,213	\$ 2,017,390	\$ 2,742,531	\$ 2,431,720
Fire/Rescue Operations Program					
	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
Personal Services:	\$ 20,758,923	\$ 20,420,914	\$ 20,767,830	\$ 24,310,236	\$ 24,462,321
Other Current Expenses:	\$ 2,596,929	\$ 2,520,553	\$ 2,538,958	\$ 2,511,229	\$ 3,074,302
Equipment:	\$ 587,651	\$ 532,399	\$ 56,549	\$ 396,451	\$ 445,751
TOTAL	\$ 23,943,503	\$ 23,473,866	\$ 23,363,337	\$ 27,217,916	\$ 27,982,374
Training/Health & Safety Program					
	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
Personal Services:	\$ 560,364	\$ 474,802	\$ 499,667	\$ 579,347	\$ 531,466
Other Current Expenses:	\$ 391,805	\$ 330,708	\$ 304,171	\$ 483,926	\$ 379,766
Equipment:	\$ 39,131	\$ 58,655	\$ 75,520	\$ 212,325	\$ 49,514
TOTAL	\$ 991,300	\$ 864,165	\$ 879,358	\$ 1,275,598	\$ 960,746
Fire Prevention Program					
	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
Personal Services:	\$ 578,514	\$ 610,245	\$ 640,693	\$ 696,550	\$ 640,826
Other Current Expenses:	\$ 157,313	\$ 110,445	\$ 84,308	\$ 160,361	\$ 80,772
Equipment:	\$ 10,761	\$ -	\$ 7,727	\$ 5,455	\$ 1,159
TOTAL	\$ 746,588	\$ 720,690	\$ 732,728	\$ 862,366	\$ 722,757

SUMMARY OF EXPENDITURES FINANCIAL OVERVIEW

	FY '12 BUDGET vs EXPENDED		FY '13 BUDGET vs EXPENDED		FY '14 BUDGET vs EXPENDED		FY '15 BUDGET vs EXPENDED		FY '16 BUDGET vs EXPENDED	
Personal Services:	\$ 23,012,054	\$ 22,944,402	\$ 22,894,630	\$ 22,544,664	\$ 23,368,572	\$ 23,077,626	\$ 26,858,396	\$ 27,026,648	\$ 27,390,572	\$ 27,038,398
Other Current Expense:	\$ 4,431,533	\$ 4,091,085	\$ 3,660,463	\$ 3,600,216	\$ 4,254,879	\$ 3,747,775	\$ 4,531,864	\$ 4,245,713	\$ 4,727,208	\$ 4,437,270
Equipment:	\$ 770,000	\$ 642,981	\$ 473,000	\$ 591,054	\$ 2,000	\$ 167,412	\$ 715,600	\$ 826,050	\$ 696,913	\$ 621,928
Total Dept. Summary:	\$ 28,213,587	\$ 27,678,468	\$ 27,028,093	\$ 26,735,934	\$ 27,625,451	\$ 26,992,813	\$ 32,105,860	\$ 32,098,411	\$ 32,814,693	\$ 32,097,596

SUMMARY OF EXPENDITURES FINANCIAL OVERVIEW

DEPARTMENT OF FIRE & PUBLIC SAFETY

	FY '12		FY '13		FY '14		FY '15		FY '16	
	BUDGET vs EXPENDED		BUDGET vs EXPENDED		BUDGET vs EXPENDED		BUDGET vs EXPENDED		BUDGET vs EXPENDED	
Personal Services:	23,012,054	22,944,402	22,894,630	22,544,664	23,368,572	23,077,626	26,858,396	27,026,648	27,390,572	27,038,398
Other Current Expenses:	4,431,533	4,091,085	3,660,463	3,600,216	4,254,879	3,747,775	4,531,864	4,245,713	4,727,208	4,437,270
Equipment:	770,000	642,981	473,000	591,054	2,000	167,412	715,600	826,050	696,913	621,928
Total Department Summary:	28,213,587	27,678,468	27,028,093	26,735,934	27,625,451	26,992,813	32,105,860	32,098,411	32,814,693	32,097,596

FISCAL YEAR 2016 BUDGET IMPLEMENTATION REPORT FOR THE QUARTER ENDING JUNE 30, 2016

Department's Mission	Program Name	Program Goal	Program Objective	Success Measure	FY 2014 Actual	FY 2015 Estimate	FY 2015 Actual	FY 2016 Estimate	FY 2016 1st QTR YTD	FY 2016 2nd QTR YTD	FY 2016 3rd QTR YTD	FY 2016 4th QTR YTD	
To protect and preserve life, environment, and property	Administration/ Maintenance Program	Goal #1: Continuously review, revise and develop as needed all rules, regulations, standard operating procedures and standard operating guidelines.	1. Review and update Rules and Regulations Manual adopted by the Fire Administration governing department personnel by June 30, 2015	% of updated Rules and Regulations Manual completed	20%	100%	100%	N/A	100%	100%	100%	100%	
			2. Develop a best practice guideline to be used as a Policies & Procedures Manual for the department's emergency operations by June 30, 2015	% of standardized guideline for emergency operations completed	60%	100%	100%	N/A	100%	100%	100%	100%	
		Goal #2: Provide the department with safe and operational vehicles and equipment.	1. Increase the # of preventive maintenance services to avoid costly repairs	# of preventive maintenance services completed	70	150	110	150	23	38	58	64	
			2. Increase the # of repair services to ensure vehicles are operating safely	# of repairs completed	525	650	779	700	207	352	551	663	
			3. Conduct 45 mandatory vehicle re-certifications annually	# of required annual re-certifications conducted	79	45	59	80	35	43	53	61	
		Goal #3: Be a leader in sustainable energy within the County of Maui.	1. Implement projects using alternative energy sources to reduce department's reliance on fossil fuels	# of projects completed relating to alternative energy	3	5	0	5	0	0	0	0	
			2. Implement projects to reduce impact on natural resources	# of projects completed relating to energy use reduction	2	5	1	5	0	0	0	0	
		Training Program - Training Bureau	Goal #1: Provide training to increase competencies for task, tactical and strategic positions within all emergency response capabilities.	1. Complete quarterly task level (drill schedule) training for all emergency response disciplines for a total of 9,800 units	# of units completed of drill schedule	9,800	9,800	9,500	9,800	2,953	5,226	7,985	10,900
				2. Conduct three multi-company drills annually for suppression, hazardous materials and technical rescue	# of drills conducted annually	1	3	2	3	0	1	2	3
	3. Increase realistic training opportunities by providing access to facilities and props for 250 training sessions conducted annually			# of training sessions utilizing training facility and props	230	250	536	250	254	434	519	543	

FISCAL YEAR 2016 BUDGET IMPLEMENTATION REPORT FOR THE QUARTER ENDING JUNE 30, 2016

Department's Mission	Program Name	Program Goal	Program Objective	Success Measure	FY 2014 Actual	FY 2015 Estimate	FY 2015 Actual	FY 2016 Estimate	FY 2016 1st QTR YTD	FY 2016 2nd QTR YTD	FY 2016 3rd QTR YTD	FY 2016 4th QTR YTD
To protect and preserve life, environment, and property	Training Program - Training Bureau	Goal #2: Standardize training levels department-wide for suppression, hazardous materials and technical rescue.	1. Conduct 8,800 fire suppression skills training units annually	# of fire suppression skills training completed	8,800	8,800	9,744	8,800	2,969	5,918	8,978	12,371
			2. Conduct 3,000 technical rescue skills training units annually	# of completed technical rescue skills training	2,750	3,000	4,043	3,000	1,308	2,127	2,854	3,674
			3. Conduct 750 hazardous materials skills training units annually	# of completed hazardous materials skills training	460	750	857	750	136	421	526	897
		Goal #3: Provide appropriate position specific certification for suppression, hazardous materials and technical rescue response.	1. Conduct 250 new certification trainings annually	# of new certification trainings completed	186	250	194	250	111	183	207	270
			2. Conduct 990 re-certification trainings annually	# of re-certification trainings completed	728	990	743	990	318	441	785	822
	Goal #4: Ensure that employees provide an appropriate standard of care (within their defined scope of practice) to ill and/or injured members of our community calling for our assistance while protecting their own health and safety.	1. Complete certification of the Emergency Medical Responder (EMR) level through the National Registry of Emergency Medical Technicians (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 by June 30, 2019	% of uniformed personnel achieving or maintaining NREMT certification at the EMR level or above	100%	35%	35%	40%	35%	35%	35%	35%	
	Training Program - Health and Safety Bureau	Goal #1: Ensure compliance with Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard, in part by ensuring all members are issued properly fitting, properly functioning, and safe respiratory protection equipment adequate to the demands of their jobs and potential occupational exposures.	1. Complete annual fit testing of respirator masks for all personnel	% of uniformed personnel undergoing fit testing and being issued appropriately fitting respirator masks, per year	100%	100%	98%	100%	27%	35%	65%	90%
			2. Complete annual flow testing of all Self Contained Breathing Apparatus (SCBA) units in service by June 30, 2015	% of SCBA units in service for which flow testing was performed, per year	90%	100%	85%	100%	20%	45%	70%	100%
			3. Increase the rate of personnel performing proper inspection and end-user testing of SCBA ensembles with appropriate frequency	% of weeks per year all stations have documented proper inspection and testing	90%	100%	100%	100%	25%	50%	75%	100%

FISCAL YEAR 2016 BUDGET IMPLEMENTATION REPORT FOR THE QUARTER ENDING JUNE 30, 2016

Department's Mission	Program Name	Program Goal	Program Objective	Success Measure	FY 2014 Actual	FY 2015 Estimate	FY 2015 Actual	FY 2016 Estimate	FY 2016 1st QTR YTD	FY 2016 2nd QTR YTD	FY 2016 3rd QTR YTD	FY 2016 4th QTR YTD
To protect and preserve life, environment, and property	Training Program - Health and Safety Bureau	Goal #1: Ensure compliance with Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard, in part by ensuring all members are issued properly fitting, properly functioning, and safe respiratory protection equipment adequate to the demands of their jobs and potential occupational exposures (Cont'd).	4. Complete air sample testing on four SCBA cascade systems, on a quarterly basis, as required by OSHA	# of air sample tests conducted annually	N/A	N/A	N/A	4	1	2	3	4
		Goal #2: Enhance the overall health and wellness of all departmental staff.	1. Complete annual physical exam to all 309 uniformed employees and mechanics	# of personnel receiving physical exams annually	267	309	250	309	9	18	185	253
			2. Provide four modules annually to keep all members up-to-date on relevant health/fitness education	# of modules made available to personnel	4	4	4	4	1	2	3	4
		Goal #3: Reduce the incidence/likelihood of occupational injuries and deaths due to poor fitness, while enhancing the efficiency of our members in the performance of physically demanding job tasks to provide more effective and safe emergency services to the public.	1. Maintain the rate of uniformed personnel receiving a position-appropriate medical exam and fitness assessment at 100% per year	% of uniformed personnel receiving a position-appropriate medical exam and fitness assessment per year	38%	100%	69%	100%	0%	0%	14%	29%
	2. Provide personnel with a fitness regimen, along with equipment and instruction necessary to follow it safely and effectively while on duty		% of personnel per year prescribed and instructed in an individualized fitness regimen that can be performed on duty	100%	100%	100%	100%	10%	10%	75%	100%	
	Fire/Rescue Operations Program	Goal #1: Manage the tracking system effectively and efficiently to provide accurate data on department calls for services and responses to emergencies.	1. Provide accurate statistical data to be used for National Fire Incident Reporting System (NFIRS) reporting, and data analysis for budget and reporting purposes	% of accurate data on department responses to emergencies	100%	100%	100%	100%	100%	100%	100%	100%
			2. Provide accurate statistical data for arriving units travel time to incidents in urban, suburban, and rural areas	% of accurate data for arriving units travel time to incidents in urban, suburban, and rural areas	N/A	N/A	N/A	100%	100%	100%	80%	91%

FISCAL YEAR 2016 BUDGET IMPLEMENTATION REPORT FOR THE QUARTER ENDING JUNE 30, 2016

Department's Mission	Program Name	Program Goal	Program Objective	Success Measure	FY 2014 Actual	FY 2015 Estimate	FY 2015 Actual	FY 2016 Estimate	FY 2016 1st QTR YTD	FY 2016 2nd QTR YTD	FY 2016 3rd QTR YTD	FY 2016 4th QTR YTD
To protect and preserve life, environment, and property	Fire/Rescue Operations Program	Goal #2: Improve the department's response times in rural, suburban and urban areas to meet deployment benchmarks.	1. Improve the rate of initial response turnout times that meet the NFPA 1710 standard for staffed fire stations (per CFAI)	% of initial response turnout times within 60 seconds for EMS calls and 80 seconds for fire suppression calls	N/A	N/A	N/A	75%	35%	28%	18%	27%
		Goal #3: Improve the department's pre-fire planning to effectively and safely deal with all fire and rescue incidents.	1. Maintain the # of pre-incident plans conducted by crews to 504 or more	# of pre-incident plans conducted annually is 504 or more	230	612	543	504	46	287	385	443
	Fire Prevention Program (General Fund)	Goal #1: Reduce the threat of fire, injury and property loss by conducting fire inspections at intervals consistent with applicable laws and department policies.	1. Complete inspection of 700 establishments or facilities annually	# of establishments or facilities inspected/re-inspected	847	700	901	700	160	273	427	557
			2. Complete 100 brush and weed abatement inspections annually	# of brush and weed abatement inspections completed annually	203	100	194	100	72	114	162	178
			3. Complete inspection of all 33 public schools annually	# of public schools, K-12, inspected/re-inspected	32	33	33	33	0	5	21	22
		Goal #2: Provide quality fire education programs for the citizens of Maui County and promote fire prevention and public safety education programs.	1. Conduct at least a minimum of 150 fire safety presentations annually	# of fire safety presentations conducted annually	265	150	229	150	25	62	122	159
			2. Increase the # of portable fire extinguisher trainings conducted annually	# of persons provided portable fire extinguisher training	750	1,000	676	1,000	144	257	360	645
		Goal #3: Conduct thorough fire investigations.	3. Increase the # of Fire Fighter Safety guides distributed to elementary students annually	# of Fire Fighter Safety guides distributed to elementary students	13,200	13,200	13,200	13,200	13,200	13,200	13,200	13,200
	1. Conduct thorough fire investigations		# of in-depth fire investigations conducted	62	40	57	40	10	20	30	36	
	Fire Prevention (Revolving Fund)	Goal #1: Provide timely and quality customer service to permit applicants during the plans review process.	2. Identify the % of fire investigations classified as arson	% of fire investigations deemed caused by arson	23%	0%	19%	0%	10%	15%	17%	14%
			1. Maintain the rate of plans reviewed within 14 days from application at 100%	# of plans reviewed	2,973	2,000	2,735	2,000	772	1,492	2,214	2,963
		Goal #2: Reduce the threat of fire and property loss through enforcement by removing brush, debris and other potential fire hazards from designated properties.	1. Increase the # of lots of which brush, debris and other potential fire hazards from designated properties have been removed	# of lots cleared	0	5	2	5	0	0	0	0
	Notes:											
Some performance measures were revised to reflect corrected totals for the respective quarter.												