

**Meeting Summary  
East Kaua`i Development Plan 2030  
CAC Meeting No. 8**

**Date: April 18, 2007  
Time: 4:00 – 6:30 p.m.  
Pi`ikoi Meeting Room**

1. **Welcome:** Nadine Nakamura welcomed member of the East Kaua`i Development Plan CAC and members of the public. The purpose of the meeting is to learn about various government agencies plans for East Kaua`i.
2. **Introductions:** For the benefit of the guest speakers, CAC members were asked to introduce themselves and the organization they represent.
3. **January 30, 2007 Meeting Summary (CAC Meetings No. 7):** There were no recommended changes to the meeting summary.
4. **Guest Speakers:** Each speaker summarized the services they now provide as well as future needs.

**Clayton Arinaga, Interim Chief, Kaua`i Police Department**

A summary of Chief Arinaga's presentation is summarized in **Attachment A**. Questions, answers, and comments are summarized below.

**Q:** Do you expect to expand Kapa`a Beach Park substation?

**A:** No. The goal is to develop a new facility outside the tsunami inundation zone.

**Comment:** If a facility is built in the Special Area Zone "A," please comply with the façade and historic character of Historic Kapa`a Town.

**Q:** Which sectors cover Wailua-Kapa`a?

**A:** Sector three covers the area from Anahola bridge to Olehena Road near the Kapa`a Middle School. Sector four covers the area from Olehena Road to Wailua Bridge

**Q:** Would you prefer a stand-alone structure or a joint use facility (such as fire department)?

**A:** Would prefer co-habitation to reduce costs, but it might be too late for the Wailua Homestead facility

**Q:** Will there be a mounted bike patrol on the coastal path?

- A:** Not known at this time. Due to staffing shortages, a dedicated officer is not the plan at this time.
- Q:** What is the personnel coverage in East Kaua`i?
- A:** At any given time, there are about two officers covering this area.
- Q:** How many personnel would the new substation have?
- A:** One personnel during the work day. In the future, more staff may be assigned.

**Mark Marshall, Civil Defense Administrator**

A summary of Mark Marshall’s presentation is summarized in **Attachment B**. Questions, answers, and comments are summarized below.

- Q:** What are civil defense concerns in East Kaua`i?
- A:** Roadways located in the inundation zone are a major concern. Residents and visitors using these roadways in gridlock are horribly vulnerable and should be advised to get out of their cars and walk to higher ground.
- Q:** Other concerns?
- A:** Wailua Bridge is a major artery. Any damage to the bridge would severely restrict access. We need an alternate road to Wailua River and North Fork. (Irish bridge= concrete bottom of stream and road goes over the stream.)
- Q:** What are future road preferences?
- A:** When exploring new routes, civil defense will always advocate for the mauka routes. Makai and mauka roads are needed through East Kaua`i to aid in evacuation.
- Q:** How many shelter spaces do you have and is this adequate?
- A:** We have 19,300 shelter spaces for all 60,000+ residents and 20,000 visitors. There is a deficit of shelter space in East Kaua`i. Repairs need to be made at Kapa`a Elementary, Middle, and High Schools to fully handle a Category 4 hurricane.

**Comment:** During the 1950s, Linda Moriarity grew up in Kapa`a town and warning system wasn’t sophisticated. Block Captains went around the neighborhood distributing information on emergency response. Volunteers would be able to provide a personal contact and give better idea of who lives where, and would help their short-staffed situation by providing man power.

- Q:** How are neighborhood now notified of emergencies:  
**A:** Community emergency response teams have been trained and organized in some communities. Teams, headed by block captains, include amateur radio operators and 6-8 neighborhood residents. Between 70 to 85 members are involved. Teams are initiated for catastrophic events and have been organized in Kilauea, Princeville, Kapa`a, Waimea, and Kekaha.

**Teddy Williams, Battalion Chief, Fire Department**

A summary of Teddy William's presentation is summarized in **Attachment C**. Questions, answers, and comments are summarized below.

- Q:** Can the proposed Keālia station accommodate a police substation?  
**A:** Kealia station is a 12-acre lot from the State by Executive Order. Perhaps police can join with KFD to be together on the same property.
- Q:** Where are lifeguards located in East Kaua`i?  
**A:** Ocean safety lifeguards are located in Keālia, Anahola, Wailua Beach, and Lydgate. Anahola is manned during the summer only.
- Q:** What is the coverage area of the Kapa`a Fire Station?  
**A:** Kapa`a currently covers the area from the Wailua prison to Moloa`a Stream. The standard of coverage will change when new Keālia station is built.
- Q:** What is the optimum response time?  
**A:** Anything under 6 minutes from station, anything more increases insurance and loss of life
- Q:** Are there certain areas in East Kaua`i that doesn't have sufficient water supply or hydrants?  
**A:** Yes. But this should be answered by the Dept. of Water. In general, each fire truck carries 80 feet of hose and water.
- Comment:** The fire department monitors and replaces blue reflectors. If there are hydrants without reflectors please call the mayor's office.
- Q:** What are KFD's long-term (2030) needs?  
**A:** There will be a need for four stations: Kapa`a/Keālia, Wailua Homesteads, Anahola, and lower Wailua.
- Q:** (Nadine asked CAC members) What are potential locations for a fire station in Wailua Homesteads?

**A:** Potential sites:

- Near the Wailua Homestead Park
- Top of Olohena Road on state-owned land
- Pasture land

**Comment:** The County should consider jointly planning for the future needs of KFD, KPD, and EMS in East Kaua`i. There seems to be interaction among the three services and there may be benefits of a joint-use facility.

### **Zac Octavio, Emergency Medical Services**

A summary of Zac Octavio's presentation is summarized in **Attachment D**. Questions, answers, and comments are summarized below.

**Q:** Has the opening of the Mahelona hospital emergency room impacted your services?

**A:** Although the Mahelona hospital emergency room does not offer full services, it has taken the burden off of Wilcox Hospital.

**Q:** How many personnel do you have?

**A:** 30 full-time and 12 part-time employees. In three to five years, there will be a high turnover as many retirements anticipated.

**Q:** Is there a disadvantage to cluster ems, fire, and police?

**A:** No, except for additional personnel in one area, it would not be a problem. Egress and ingress is not a problem

**Q:** What are the physical requirements of an EMS house?

**A:** Rest areas, restrooms, kitchen, and parking. A 5,000 to 10,000 square foot lot is adequate.

**Comment:** Best to plan for a central complex of services

**Comment:** Permanent location would be ideal

**Q:** Have you considered looking into a site at Mahelona?

**A:** No, as it would increase response time

**Q:** Have you considered looking into a site in the back of the Mormon church – county's baseyard – would this be a possible site to combine uses?

**A:** No it's located in a flood zone.

5. Department of Education: Based on a meeting with Kaua`i Complex Superintendent Daniel Hamada, there is a need for one new elementary school in the Wailua area. Planning will begin in 2012-2013.
  
6. CAC Comments:
  - Plan needs emphasize pedestrian-friendly town with bike path tying different land uses together
  - Plan needs to give more attention and detail to Historic Kapa`a Town
  - Plan needs to include culture, open space, and natural resources
  
7. **Next Meeting:** The next meeting will be held in the 3<sup>rd</sup> quarter of 2007.

Recorded by:  
Nadine Nakamura/Laura Mau

# ATTACHMENT A

## East Kaua`i Development Plan County of Kaua`i Draft Section

### POLICE

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The Kaua`i Police Department has a 300 s.f. satellite station located adjacent to the Kapa`a Beach Park. Initially built to deter loitering in the adjacent beach park, the satellite station is small, does not have booking capabilities, and is located in the tsunami inundation zone.

#### *New Substation*

To improve public safety in East Kaua`i, a new substation is needed. The substation would accommodate walk-in complaints and bookings. A 12,000 – 15,000 square-foot facility would include a kitchen, bathrooms, and temporary holding cells. An approximately one-acre site is needed to accommodate the structure and parking.

Criteria for site selection include close proximity to the highway, high visibility in the community, and location outside the flood zone.

The Police Department anticipates that a permanent station will be built in five to seven years or between 2012 to 2014.

#### *Temporary Substation*

While planning and design of a permanent substation is taking place, the Police Department is exploring the feasibility of a temporary substation at two possible locations.

- Waipouli Fire Station (once the new Wailua Homesteads fire station is built)
- Abandoned civil defense building on the grounds of Mahelona hospital

***Sector  
Expansion***

The Police Department is also planning to increase sector coverage in East Kaua`i. Currently, there are two sectors. Sector Three covers the area from Anahola bridge to Olohena Road near the Kapa`a Middle School. Sector Four covers the area from Olohena Road to Wailua Bridge. Each sector is comprised of six or seven uniformed police officers.

To accommodate the current population and projected growth in East Kaua`i, there is a need to create two additional sectors, for a total of 12 additional officers. The Police Department plans to increase these sectors once existing staffing shortages are filled.

Currently, there are 24 officer vacancies in the Police Department. It is estimated that it will take three years to fill these vacancies. Once these vacancies are filled, sector expansion will take place.

***East Kaua`i  
Goals***

1. Create and fill two additional sectors.
2. Construct a temporary substation.
3. Construct a permanent substation by the year 2014.

**Attachment B**  
**East Kaua`i Development Plan**  
**County of Kaua`i**  
**Draft Section**

**CIVIL DEFENSE**

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The role of the Kaua`i Civil Defense Agency is to plan, prepare, and coordinate civil defense operations in meeting disaster situations. The civil defense agency triggers early notification, evacuation, and emergency shelter, depending on the nature and severity of the crisis at hand. Disasters range from localized toxic spills and flooding to tsunamis impacting coastal areas and hurricane winds affecting the entire island.

***Tsunami  
Evacuation***

Within East Kaua`i, there are residential, commercial, and visitor uses within the tsunami inundation zone. Given the approximately 1,907 visitor accommodations<sup>1</sup> along the Coconut Coast and the limited road capacity along Kuhio Highway, a tsunami evacuation plan is needed.

***Shelters***

Civil defense shelters in East Kaua`i, identified as Evacuation Zone No. 4, by the County of Kaua`i include:

- Kapa`a High School
- Kapa`a Middle School
- Kapa`a Elementary School

Each shelter is evaluated by the State of Hawai`i to determine suitability for use and types of upgrades needed. A summary is presented in Table 1.

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<sup>1</sup> Department of Business and Economic Development, Research and Economic Analysis Division, 2005 Visitor Plant Inventory.

**Table 1: East Kaua`i Emergency Shelter Summary** (Number of persons that can be accommodated)

<b>Shelter</b>	<b>Category 1 Ready Now</b>	<b>Category 2 &amp; 2A Security Screens/ Some Risk</b>	<b>Category 3 Minor Upgrades</b>	<b>Category 4 Major Upgrades</b>	<b>Total</b>
Kapa`a High	918	952	751	116	2737
Kapa`a Middle	331	136	84	4089	4640
Kapa`a Elem.	0	1346	0	367	1713
Total	1249	2434	835	4572	9090

Shelter categories 1 and 2 are suitable as emergency shelters during hurricanes. As shown above, the three shelters can accommodate 3,683 persons during a hurricane.

With minor upgrades, the three shelters can accommodate an additional 835 people.

With major upgrades, the three shelters can accommodate an additional 4,572 people.

***Safe Rooms***

The County of Kaua`i is encouraging homeowners to build safe rooms to encourage “shelter in place.” Safe rooms are designed to withstand hurricane force winds of 110 mph. Safe rooms must be a minimum size of 10 square feet per person and plans must be stamped by a licensed architect or engineer.

Safe rooms relieve the necessity of building public shelters, allow individuals to be close to their possessions, and allow families to keep pets with them during emergencies. The County of Kaua`i allows a second home exemption for qualified safe rooms.

***Sirens***

Although radio, television, and digital communications are the primary means of notifying the public of disasters, outdoor warning sirens are secondary means of notifying individuals of emergencies. Each siren has a one-quarter to one-half mile radius coverage.

Outdoor warning sirens in East Kaua`i are located in the following areas:

- Moloa`a
- Anahola Village
- Anahola/Aliomanu South
- Kealia
- Kapahi Park
- Kapa`a High School
- Kapa`a Neighborhood Center
- Wailua Houselots Park
- Wailua Homesteads Park
- Wailua Sewer Treatment Plant/Lydgate

Additional coverage is needed in the following areas:

- Nukolii to Wailua
- Kealia to Anahola
- Moloa`a to Anahola
- Waikaea Canal to Wailua pumping station

***East Kaua`i  
Goals***

1. Encourage individual homeowners to build safe rooms in their homes.
2. Site future public facilities in East Kaua`i, including the proposed gymnasium, community center, fire station, and police substation, outside flood zones and tsunami inundation zones. Structures should be hardened and should be built to withstand Category 2 and 3 hurricane force winds.
3. Select Kapa`a Permanent Relief Route *mauka* alignments
4. Encourage new developments to include outdoor warning sirens in the following areas:
  - A. Nukolii to Wailua
  - B. Kealia to Anahola
  - C. Moloa`a to Anahola
  - D. Waikaea Canal to Wailua pumping station
5. Develop a tsunami evacuation plan through a collaborative effort with the visitor industry

**Attachment C**  
**East Kaua`i Development Plan**  
**County of Kaua`i**  
**Draft Section**

**2.0 FIRE**

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The Waipouli Fire Station, located adjacent to Foodland on Kuhio Highway, currently serves East Kaua`i.

***Future  
Improvements***

To improve services and reduce response times to East Kaua`i neighborhoods, the following improvements are planned:

***Short-term***

1. A new Kealia fire station will be built *mauka* of Kuhio Highway below Mahelona Hospital. Permitting activities are taking place in 2007; and construction is expected to be completed in 2009. One engine company with three shifts will work at this station. Funding for this fire station is in place.
2. Replacement of the Waipouli Fire Station to a location outside the flood zone. The Fire Department are currently studying potential sites in Wailua Homesteads; permitting is scheduled in 2008; and construction is estimated to be completed in 2010. Funding for this fire station has yet to be secured.

***Long-term***

A new fire station is planned in Kilauea over the next 10-20 years. This fire station will include coverage to the Moloa`a and Anahola communities.

***East Kaua`i  
Goals***

1. Complete the new Kealia fire station by 2009.
2. Replace the Waipouli fire station with a new Wailua Homesteads station by 2010.
3. Lower Wailua, Anahola stations (follow-up with Fire Chief Westerman)

**Attachment D**  
**East Kaua`i Development Plan**  
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**Draft Section**

**EMERGENCY MEDICAL SERVICE**

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The State of Hawaii contracts emergency medical services (EMS) throughout the State. Working closely with Police and Fire Departments, EMS has five ambulance stations on Kaua`i. Over the past four years, island-wide call volume has increased by 25%. Most calls are made in the daylight hours. East Kaua`i and Lihue are the two busiest stations on the island.

Response times are between 10 to 15 minutes for rural areas and 7 to 10 minutes to urban areas. These response times are being met per State of Hawai`i regulations.

The Kapa`a station is a rented home located in the residential area across Pono Kai. The East Kaua`i coverage zone is from the northern end of Wailua Golf Course to north Aliomanu. Backup coverage is from Lihue or Princeville.

***Concerns***

- Road congestion. EMS protocol is to go to a scene without the use of sirens. In situations where a patient is not in a life or death situation, ambulances sit in the same traffic as everyone else.
- EMS personnel are aging, many with 25 years of experience. There is a need to get the next generation interested and trained in this profession.

***Future Needs***

- Half a unit, a 12-hour station, located between Kapa`a and Lihue would meet needs for five to seven years
- In the long-term, having permanent homes or joint use facilities with other county services would be ideal
- In the long-term, a station in Wailua Homesteads and Keālia may be needed