

MICHAEL T. MUNEKIYO GWEN DHASHI HIRAGA MITSURU "MICH" HIRANO KARLYNN FUKUDA

MARK ALEXANDER ROY

December 28, 2011

Irene Bowie, Executive Director Maui Tomorrow Foundation 55 North Church Street, Suite A5 Wailuku, Hawaii 96793

SUBJECT: Comments on the Environmental Impact Statement Preparation

Notice (EISPN) for the Proposed Olowalu Town Master Plan at

Olowalu, Maui, Hawaii

Dear Ms. Bowie:

Thank you for your letter of August 1, 2010 providing comments on the proposed Olowalu Town Master Plan. On behalf of the applicants, Olowalu Town, LLC and Olowalu Ekolu, LLC (applicants), we offer the following information in response to your remarks:

The Ahupua'a Model

The Draft Environmental Impact Statement (EIS) will provide more specificity in relation to the "ahupua'a plan" for Olowalu Town. As requested, information on the ahupua'a of Olowalu and its relationship with the proposed Olowalu Town Master Plan will be included in the Draft EIS.

Olowalu Village Population

Thank you for providing the 1832 census information for Olowalu. We will investigate the historic record cited in your letter and try to obtain the geographic limits of the 1832 community and, if available, the methodology used in taking the census. Further, we will request access to the records of the Pioneer Mill Company to establish if more detailed information on the historic Olowalu Village is available.

Smart Planning Principles

The Draft EIS will provide more specificity on the sustainability goals and objectives for the Olowalu Town Master Plan. We note your comment regarding the information provided in the EISPN. The purpose of the EISPN process seeks to identify information, issues and concerns that should be addressed in the Draft EIS, in

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consultation with Federal, State, and County agencies and members of the public. Your comments will assist us in the formulation of the appropriate level of information to be provided in the Draft EIS.

Incomplete Information

As noted above, the purpose of the EISPN process is to identify information, issues and concerns that should be addressed in the Draft EIS, in consultation with the applicable reviewing agencies and members of the public. Your comments will assist us in the formulation of the Draft EIS with detailed analysis of the project's impacts and supporting data, including technical studies for the project area.

The Draft EIS will include refined maps of Olowalu Town, including the government beach reserve and identification of the lands that are privately owned and not part of the Olowalu Town Master Plan. As requested by the residents of Kapa`iki, park and open space land uses are proposed to provide a buffer from the proposed country town centers. A breakdown of the various proposed land uses of the Olowalu Town Master Plan will be included in the Draft EIS.

The Olowalu Ekolu Associates, LLC project mentioned in your letter that was previously presented before the General Plan Advisory Committee (GPAC) has been included in the Olowalu Town Master Plan and will be further discussed in the Draft EIS.

An assessment of the proposed project's potential impacts on agricultural lands in the area and the adjacent shoreline environment will be provided and discussed in the Draft EIS.

Community Support Facilities

The Draft EIS will identify community support facilities to be included in the Olowalu Town Master Plan. Information regarding the financing of said facilities will also be included, as available.

Potable Water Supplies

We acknowledge the sustainable yield of the Olowalu aquifer since 2008 is two (2) million gallons per day (MGD) per the State Commission on Water Resource Management (CWRM). We note that the project's water consultant in consultation with the U.S. Geological Services has indicated that the sustainable yields of the Olowalu Aquifer System may be higher than what is presented in the CRWM's Water Resources Protection Plan of 2008 based on another established calculation methodology.

Nevertheless, the projected future groundwater use of existing users and the Olowalu Town project would still fall below the 2.0 MGD sustainable yield.

The project's consultant team will be preparing an assessment of ground and surface water resources and related considerations in the Olowalu area, including phosphate and nitrogen levels. Concerns of increased levels of phosphate and nitrogen levels in reclaimed water will also be addressed by the project's consultants. These reports will be incorporated and discussed in the Draft EIS.

The engineering consultants for the project will also address the projected potable and nonpotable water demand for the project, water system improvements, including the number of wells required, and any requirements for system redundancy. This information will be included in the Draft EIS.

Installation of an observation monitoring well will not be conducted for the project at this time. The studies will rely on available information from the Olowalu Water Company that operates the private water system in Olowalu including an existing potable well. Also, necessary well construction permits will be required from the CWRM who will evaluate required monitoring information to ensure withdrawals from the new wells do not adversely impact the sustainable yield of the aquifer. As a related note, water quality must meet State Department of Health (DOH) requirements for potable water prior to granting approval of the use of the well.

The applicants proposes to upgrade the existing water system to meet County standards for potable water and fire flow requirements as determined by the Department of Water Supply and Department of Fire and Public Safety. A description of the existing and proposed potable and nonpotable water systems will be included in the Draft EIS.

Utility service charges have not been determined, however, utility charges will be determined by the Public Utilities Commission (PUC) through a public and transparent process. The upfront development costs of the Wastewater Treatment Plant, R-1 Recycled Water system and upgrades to the existing potable and nonpotable water systems will be paid for as part of the overall construction costs by Olowalu Town, LLC and Olowalu Ekolu, LLC. Following project implementation, each of these systems are planned to be owned, operated and maintained by a private entity. The Olowalu Water Company, Inc. currently operates and maintains the private water systems. A similar entity will be created to operate the wastewater treatment plant and will be identified during the process of obtaining appropriate approvals from the State Department of Health (DOH) and Public Utilities Commission (PUC), as required. It is expected that homeowners living in the residential units will be billed individually for the services provided by these companies, which will include amounts needed for sinking fund

contributions for ongoing operations and long-term maintenance of the systems. As part of its goal to provide truly affordable homes to Maui's working families, the applicants anticipate sewer and drinking water rates for the residents that are comparable with County charges for the same service.

Stream Water

The Draft EIS will discuss Olowalu Stream in terms of existing flows and its present and future use by utilizing available information and consultant studies. As stewards of the land, the Olowalu Cultural Reserve's (OCR) goal is to restore traditional and customary agricultural practices which include more than taro cultivation. The OCR also proposes to work with the State Department of Land and Natural Resources (DLNR) to restore native habitat in Olowalu Valley and to re-establish the past precipitation in Olowalu which was much wetter than present.

Wastewater

The Draft EIS will include a Preliminary Wastewater Engineering Report that will provide an assessment of the projected wastewater demand and the expected output of treated R-1 water that will be made available for irrigation purposes. The cost structure for the reclaimed water system will be developed at a later phase of project development, once engineering, construction, and operational factors have been analyzed.

Drainage

A Preliminary Engineering Report (PER) will be included in the Draft EIS, which will assess existing and future runoff from the project site, drainage improvements to be developed, possible phasing of infrastructural improvements and mitigation measures. In conjunction with the Drainage Plan, a water quality report is being prepared to assess the potential impacts on the nearshore environment and a stormwater management plan is being prepared to identify measures to mitigate potential impacts. The PER, water quality report, and stormwater management plan will all be incorporated and discussed in the Draft EIS.

Flood and Tsunami Hazards and Sea Level Rise

An assessment of natural hazards including flooding risks will be provided in the Draft EIS. Mitigation measures to address defined impacts will also be set forth in the document, as appropriate. This Draft EIS will also discuss Flood Hazard Development permit requirements as well as compliance with Section 19.62.060, Maui County Code (MCC) regarding standards for development in flood hazard areas.

It is our understanding that the Planning Department is in the process of developing preliminary Sea Level Rise Maps which have not yet been made available to the public. If available at the time of writing, the Department's Sea Level Rise Maps for the Olowalu coastline will be included in the Draft EIS.

Shoreline Access

A discussion on shoreline access and the 150-foot shoreline setback will be provided in the Draft EIS. As requested, conceptual plans for shoreline access will be included in the Draft EIS.

Coastal Zone Impacts

Although the Special Management Area (SMA) boundary is generally the makai boundary of Honoapiilani Highway in areas where the roadway is close to the shoreline, the SMA includes a portion of lands landward (mauka) of the highway. Notwithstanding, the Draft EIS will present an evaluation of the Olowalu Town Master Plan in the context of the provisions of Chapter 205A Coastal Zone Management, Hawaii Revised Statutes.

The Master Plan area is relatively flat with slopes of three (3) to five (5) percent which is anticipated to require minimum cut and fill to prepare the land for development. As the individual development sites are developed, detailed grading plans will be developed to quantify the amounts of cut and fill that will be required.

Project Need

Market and Economic and Fiscal Impact studies are being prepared for the project that will evaluate the need for the project and projected absorption rates over the currently proposed 10-year build-out period. Lacking specific data for Olowalu, the Draft EIS will include comparable median housing prices available for Lahaina Town. The Market and Economic and Fiscal Impact studies will be included and discussed in the Draft EIS. The Master Plan proposes fifty (50) percent of the housing units to be sold or rented at affordable rates as determined by the Department of Housing and Human Concerns (DHHC). The rates for the market units have not been determined.

The Draft Maui Island Plan (MIP) is currently under review by the Maui County Council (Council). Although the lands included in the proposed urban and rural growth boundaries exceed the projected demand of the Maui Planning Department, it should be noted that this is a common occurrence in such studies. Depending on market conditions not all of the lands included in the boundaries will be developed within the timeframe of the proposed MIP. Re-evaluation of the MIP is scheduled to occur ten (10) years after its adoption.

However, it is noted that both the General Plan Advisory Committee (GPAC) and the Maui Planning Commission (MPC) during their comprehensive review of the Draft MIP, recommended inclusion of Olowalu Town in the urban and rural growth boundaries.

Police and Fire Protection

We acknowledge that the Olowalu area, since the end of sugar cane cultivation in 1999, is prone to periodic wildfires. However, this is largely due to the lands being vacant and undeveloped. Once developed, the potential for wildfires will be significantly reduced. An assessment of natural hazards, including potential for wildfires, will be provided in the Draft EIS. The EISPN has been provided to the Police Department and Department of Fire and Public safety. Comments received from these agencies during review of the EISPN, will be included in the Draft EIS.

Educational Facilities

The Draft EIS will include an estimate of the number of students the project will generate and a discussion on educational facilities needed to accommodate the projected increase in students associated with the Olowalu Town Master Plan. The Department of Education (DOE) has implemented a school impact fee for West Maui which will be applicable to the proposed project.

From the onset of the planning and design of Olowalu Town, the applicants have acknowledged and recognized the importance of including space within the Master Plan for educational facilities and learning centers. Preliminary discussions regarding possible type, size, and style of education facilities have been ongoing since project inception. These discussions have occurred at the Olowalu Talk Story sessions, during numerous community presentations, as well as at meetings with the DOE and elected officials. The applicants will continue to work with the DOE, the community, and elective officials in regards to defining the appropriate level of educational facilities mitigation measures for this project. A copy of the Draft EIS will be provided to the DOE for review and comment.

Recreational Facilities

The Draft EIS will discuss the approximate 140 acres of land to be utilized as open space, parks, greenways, etc., including the portion of lands in the State Conservation District owned by the applicants and the area containing steep slopes which may be inaccessible to hikers. The State Beach Reserve is not owned by the applicants and is not included in the 140 acres proposed for use as park and open space.

Agricultural Lands

A map identifying the extent of "prime" agricultural lands in relation to the Master Plan will be provided in the Draft ElS. The Olowalu Town Master Plan proposes to keep approximately 160 acres in agriculture which includes the Olowalu Cultural Reserve (OCR) which is currently re-establishing lo`i's for taro cultivation as well as cultivating other native crops. An agriculture assessment is currently being prepared evaluating the impact of the project on overall agricultural land availability. This assessment will be included and discussed in the Draft ElS.

Flora and Fauna

An updated Flora and Fauna Study for the entire project area and an Aquatic Resources Survey have been prepared by Robert Hobdy. These reports will be included in the Draft EIS. The reports determined that there are no dryland forests in the project area nor are there any threatened or endangered species. One (1) nehe plant was found on the slope of Pu`u Kilea and was the most common type of nehe and not rare. Native plants found on the site were within the limits of the OCR, which is already ensuring the preservation of native plants through the removal of non-native plants. As appropriate, the reports provide recommended mitigation measures, which will also be identified and discussed in the Draft EIS.

Nearshore Waters

An updated water quality report will be prepared by Dr. Steven Dollar, Marine Research Consultants, Inc., for the project. This report will be included and discussed in the Draft EIS.

Cultural Resources

A Preliminary Cultural Impact Assessment will be prepared for the project and included in the Draft EIS.

The existing OCR is a significant feature which will help to establish the sense of place of Olowalu Town. In addition, the Master Plan will designate ample amounts of land immediately abutting the OCR to be used for parks, open space and civic-related activities. These lands will serve to supplement the OCR's cultural and educational efforts to establish a pu'u honua or sanctuary. Details of the OCR will be provided in the Draft EIS.

An Archaeological Literature Review of the various archaeological inventory surveys conducted in the area has been completed by Cultural Surveys Hawaii, Inc. (CSH). If

Irene Bowie, Executive Director December 28, 2011 Page 8⁻

recommended by the State Historic Preservation Division (SHPD), additional archaeological work will be conducted. The findings and recommendations of the CSH study will be included in the Draft EIS.

The Draft EIS will also provide a discussion on the measures to preserve archaeological sites such as the Ka`iwaloa heiau and the preservation efforts that have been undertaken by the applicants with the SHPD, OCR and Olowalu residents.

We note that the Draft EIS will address cultural resources considerations in detail to ensure an appropriate basis for public review and comment.

Noise

An acoustic study is being prepared for the project by Yoichi Ebisu which will evaluate potential noise impacts from the proposed realignment of Honoapiilani Highway further inland. This study will be included in the Draft EIS.

Viewsheds

We note your concerns regarding mauka-makai views and views of the night sky. View planes through the project area as well as measures to preserve the night sky will be discussed in the Draft EIS.

Economics

Market and Economic and Fiscal Impact Studies are being prepared for the project that will address the economic assumptions of the viability of Olowalu Town over the anticipated development time frame for the project. The studies will be included in the Draft EIS.

Alternatives

In response to your comments, greater details will be included in the Draft EIS detailing the community planning process and the criteria used in developing the Olowalu Town Master Plan, including the environmental constraints observed and alternatives considered by the design team in formulating the master plan.

The Draft EIS will provide a discussion on the status of the MIP process and the actions taken to date by the GPAC and MPC.

Thank you again for providing comments on the EISPN. A copy of your letter will be included in the Draft EIS. A copy of the Draft EIS will be provided to your organization for review and comment.

If additional information or clarification is required, please do not hesitate to contact me at 244-2015.

Very truly yours,

Colleen Suyama Senior Associate

CS:yp

Dan Davidson, Land Use Commission CC:

Bill Frampton, Olowalu Town, LLC

George Rixey, Architect

Tom Nance, Water Resource Engineer Glenn Kunihisa, ACM Consultants, Inc.

Hallett H. Hammatt, PhD, Cultural Surveys Hawaii, Inc.

Craig Lekuen, Brown & Caldwell, Inc. Stacy Otomo, Otomo Engineering, Inc.

Bruce Plasch, Decision Analysts Hawaii K:\DATA\OlowaluTown\MasterP\KE\SPN\MauiTomorrowresponse.llr.doc

P.O Box 511 Kahului, Hi 96733 August 4, 2010

Ms. Colleen Suyama, Project Manager Munekiyo & Hiraga, Inc. 305 High Street, Suite 104 Walluku, Hi 96793

Dear Ms. Suyama:

I would like to take this opportunity to respond to the Olowalu Town EIS.

My name is Wallace H. Fujii, one of the partners of the Fujii Family Ltd Partnership. Our family owns the property identified as the Olowalu Store in the ElS. The store is currently thriving and although currently not open for business, a new operator of an adjacent restaurant space will shortly reopen.

Our family's concern is primarily on the mauka alignment of Honoapiilani Highway from its current alignment which passes in front of Olowalu Store. A statement on Page 12 of the the EIS states, "A significant infrastructure component of the Master Plan is the proposed relocation of Honoapiilani Highway along a mauka alignment to provide a route which is consistent with the County of Maui's proposed Pali to Puamana Plan."

The store relies heavily on sales from commuters, tourists, and beachgoers. As stated in paragraph 4 of an attached copy of our submittal to the Office of Environmental Quality Control and the Hawaii State Department of Transportation in 2007, "Should that part of the highway be moved far away from the current proximity of the store's location, we can predict a drastic drop in customers patronizing at Olowalu Store." Further, the store will probably go out of business, creating an economic loss both to the lessees and our family.

Ms. Colleen Suyama August 4, 2010 Page 2

Please review the attached copy as mentioned above for additional details and our proposals. (eg. "elbowing" the proposed realignment)
May I ask that you give serious consideration to our input in order for longest operating business in Olowalu to continue serving our community.

Yours sincerely,

Wallace H. Fujii

Fujii Family Ltd Partnership

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Attachment

P. O. Box 511 Kahului, HI 96733 June 15, 2007

Mr. Wayne Kawahara Hawaii Department of Transportation Highways Division, Planning Branch 869 Punchbowl Street, Room 301 Honolulu, HI 96813

SUBJECT: HWY-PA 2.4546

Dear Mr. Kawahara:

Thank you for allowing my brother, Donald, and me to meet with you last April where you informed us about the "Honoapiilani Highway Realignment/Widening, Maalaea to Launiupoko" plans. At that time you also informed us about the opportunity to submit our input regarding the plans. We are taking this opportunity by submitting our comments through this letter.

As you already know, our family grew up in Olowalu. We own the property comprising of the Olowalu Store, Chez Paul and our family residence which is located just mauka of the current Honoapiilani Highway. Our family owned the store from the early 1930s. Although the current store complex was built about 1965, the original store on the same location was already in existence from the very early 1900s when the Olowalu Sugar Plantation was a thriving industry. Back then the store drew its primary customers from the large sugar village.

Today, the store thrives heavily on commuters, beach goers and tourists who stop for quick snacks, bentos and cold refreshments. With Honoapiilani Highway adjacent to the store, customers readily see the "oasis" and can readily get off the highway to drop in.

Should that part of the highway be moved far away from the current proximity to the store's location, we can predict a drastic drop in customers patronizing at Olowalu Store. It is conceivable that the store will go out of business as it depends very heavily on the commuting traffic. With the demise of the store, there will be an economic loss both to the lessees and our family.

Mr. Wayne Kawahara June 15, 2007 Page two

Additionally, losing the store will bring about a loss of the Olowalu history, culture and the last remaining retail business in that community. The loss of the business will mean that any new retail business will not have the history nor being in existence of over a 100 years in Olowalu.

Relocating the business is not a viable option as it will incur a heavy financial burden on the family. Besides there would be the need to purchase the land, construct the building, and go through a long planning and permitting process all over again. We do not consider that a feasible option.

In caring for future higher traffic volume for the Olowalu Store section of the highway, we would propose using the existing highway as the Lahaina-Wailuku two-lane highway. Then to create the additional two-lanes for the Wailuku-Lahaina bound traffic, we propose using the existing cane haul road, especially that part which borders the mauka side of the Olowalu Store. If this were to happen, with some modifications to the store and parking lot, we can anticipate having a reasonable number of customers stopping by to patronize.

Should that be the new alignment for that part of the Honoapiilani Highway, we would be satisfied that we can continue to operate the store for many more years in the future. The store's lessees who have about another 20 years in their current lease and who have invested heavily with renovations, including partnering with our family in expending over \$200,000 in meeting the EPA's septic system. It will take quite a number of years to amortize the expense of converting to the septic system.

As you drive along the current highway in Olowalu, there is about a mile of monkey pod trees bordering it. These trees, I am sure, are over 100 years old. If the cane haul road is used for the Lahaina bound traffic in the future four-lane highway, both the Lahaina and Wailuku bound traffic will continue to be shaded by these giant trees.

I believe you will be receiving other testimonies regarding the shoreline erosion, etc. with remedies such as "elbowing" or elevating parts of the highway

Mr. Wayne Kawahara June 15, 2007 Page three

where the highway already is or will be in harm's way. We will agree that a completely new highway is not necessary. We should use much of the existing alignment so that both our local people and tourists will have an up-front opportunity of enjoying and appreciating the natural beauty of the ocean, shoreline and views as they drive to and from Lahaina. Such a scenic panorama is rare to find today.

We thank you for this opportunity to input our concerns and proposals. Should you have any questions or needs for clarification, please feel free to write to me or email me at whfujii@hotmail.com.

Yours sincerely,

Wallace H. Fujii, Partner

Fujii Family Limited Partnership

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CC:

Office of Environmental Quality Control 235 S. Beretania Street, Suite 702 Honolulu, HI 96813



Olowalu Talk Story

December 28, 2011

Mr. Wallace H. Fujii Fujii Family Ltd. Partnership P.O. Box 511 Kahului, Hawaii 96733

SUBJECT: Comments on the Environmental Impact Statement

Preparation Notice (EISPN) for the Proposed Olowalu Town

Master Plan at Olowalu, Maui, Hawaii

Dear Mr. Fujii:

Thank you for your comments dated August 4, 2010. We understand your concerns regarding Olowalu General Store's dependency on traffic along Honoapillani Highway for its economic survival. The Olowalu Town Master Plan proposes to establish a residential community similar to the once thriving plantation community that supported the Olowalu General Store. As such, we envision that as the Olowalu Town Master Plan develops, the residential element of the project will create new clientele for the Olowalu General Store, as well as for the additional commercial uses proposed for the master planned community.

We also note that the makai area of the Olowalu Town Master Plan will include substantial shoreline park lands. The attractiveness of the shoreline park lands as a recreational amenity as well as enhanced access to the shoreline is anticipated to bring in new customers to support the proposed commercial uses, including Olowalu General Store.

The relocation of Honoapiilani Highway further mauka of the shoreline is anticipated to take place after a portion of the Olowalu Town Master Plan has been implemented and a new customer base established. The area along Honoapiilani Highway is anticipated to be the initial phase of the development. Once the relocated highway has been completed, the existing Honoapiilani Highway would then become a local roadway serving the residents of Olowalu Town and as access to the shoreline park lands.

Olowalu Town LLC 2035 Main Street Suite 1 Wailuku, HI 96793

Tel: 808 249.2930 Fax: 808 249.2333 talkstory@olowalu.net www.olowalu.net



Olowalu Talk Story

To validate the economic feasibility of the Olowalu Town Master Plan, a market study and economic and fiscal impact study are being prepared for the Draft Environmental Impact Statement (EIS). A copy of your letter will be included in the Draft EIS. Further, a copy of the Draft EIS will be forwarded to you for review and comment.

With regard to alternative mitigation measures, we would be happy to meet with you to discuss actions such as, "elbowing" or elevating parts of the highway. However, we note that the mauka realignment proposal for Honoapiilani Highway is consistent with the County of Maui's proposed Pali to Puamana Master Plan. Notwithstanding, we believe that exchanging ideas and effectively communicating concerns are an important element of our current planning efforts.

Our office will contact you to arrange a meeting date to discuss relevant highway issues. In the meantime, if additional information or clarification is required, please do not hesitate to contact us at 249-2224 or Ms. Colleen Suyama of Munekiyo & Hiraga, Inc. at 244-2015.

Very truly yours,

David Ward

Olowalu Town, LLC

William Frampton
Olowalu Town, LLC

DWWF

cc: Dan Davidson, Land Use Commission Peter Martin, Olowalu Ekolu, LLC

Colleen Suyama, Munekiyo & Hiraga, Inc.

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XI. PARTIES CONSULTED DURING THE REVIEW OF THE DRAFT ENVIRONMENTAL IMPACT STATEMENT, LETTERS RECEIVED AND RESPONSES TO SUBSTANTIVE COMMENT LETTERS

XI. PARTIES CONSULTED DURING THE REVIEW OF THE DRAFT ENVIRONMENTAL IMPACT STATEMENT, LETTERS RECEIVED AND RESPONSES TO SUBSTANTIVE COMMENT LETTERS

The following agencies, organizations and individuals were consulted during review of the Draft Environmental Impact Statement (EIS); agencies, organizations and individuals comments and responses to substantive comments are included hereto:

Consulted Party	Date of Comment Letter	Date of Response Letter
Federal Agencies		
US Army Engineer Division	===	===
US Geological Survey		
US Fish and Wildlife Service		
National Oceanic and Atmospheric Administration, National Marine Fisheries Service	3/27/12	10/26/15
State Agencies		
Department of Agriculture		
Department of Accounting and General Services	3/21/12	10/26/15
Department of Business Economic Development and Tourism (DBEDT)		
DBEDT – Energy Division		
DBEDT - Land Use Commission	4/16/12	10/26/15
DBEDT — Office of Planning	4/20/12	10/26/15
Department of Defense	4/10/12	10/26/15
Department of Education	4/27/12	10/26/15
Department of Hawaiian Home Lands	333	
Department of Health (DOH), Clean Water Branch	5/31/12	10/26/15
DOH, Environmental Planning Office	3/8/12	10/26/15

Consulted Party	Date of Comment Letter	Date of Response Letter
DOH, Indoor and Radiological Health Branch	3/13/12	10/26/15
DOH, Wastewater Branch	3/14/12	10/26/15
Department of Human Services	3/27/12	10/26/15
Department of Labor and Industrial Relations	3/15/12	10/26/15
Department of Land and Natural Resources (DLNR) - Land Division	4/20/12	10/26/15
DLNR – Historic Preservation Division		<u></u>
DLNR - Office of Conservation and Coastal Lands	4/23/12	10/26/15
Department of Transportation	4/26/12	10/26/15
Hawaii Housing Finance and Development Corp.		
Office of Hawaiian Affairs		<u> </u>
UH Environmental Center		
County Agencies		
Department of Environmental Management	4/25/12	10/26/15
Department of Fire and Public Safety	4/25/12	10/26/15
Department of Housing and Human Concerns	4/16/12	10/26/15
Department of Parks and Recreation		<u> </u>
Department of Planning	4/17/12	10/26/15
Police Department	4/5/12	10/26/15
Department of Public Works		<u></u>
Department of Transportation	3000 1000	<u> </u>
Department of Water Supply	4/9/12	10/26/15
Mayor		<u> </u>
Elected Officials		
Council Chair Danny Mateo		· -
Council Vice-Chair Joe Pontanilla		<u> </u>
Councilmember Gladys Baisa		<u>8.00</u> 8899
Councilmember Robert Carroll		
Councilmember Elle Cochran		

Consulted Party	Date of Comment Letter	Date of Response Letter
Councilmember Don Couch	<u> </u>	
Councilmember G. Riki Hokama		
Councilmember Michael Victorino		
Councilmember Michael White		
Libraries		
Kahului Library		
Lāhainā Library		<u>\$</u>
Legislative Reference Bureau		
Maui Community College Library		<u></u>
State Main Library		200
UH Hamilton		
News Media		
Honolulu Star Advertiser	22	23
Maui News		<u> </u>
Utility Companies		
Maui Electric Company	4/25/12	10/26/15
Hawaiian Telcom	222	<u> </u>
Citizen Groups, Individuals, and Consu	Ited Parties	
Margaret Schlachter		
Anna C. Potts and Jason A. Potts 4606 Fowler Avenue, Apt. 9 Everett, WA 98203	4/10/12	10/26/15
Jan Ehrenkrook 49935 Gallatin Road Gallatin Gateway, MT 59730	4/13/12	10/26/15
Victoria and Walton Huffman 9909 Lemon Avenue La Mesa, CA 91941	4/15/12	10/26/15
Wallace H. Fujii Fujii Family Limited Partnership P.O. Box 511 Kahului, Hawai'i 96733	4/18/12	10/26/15

Consulted Party	Date of Comment Letter	Date of Response Letter
Michael W. Foley 3625 Pi`ikea Place Makawao, Hawaiʻi 96768	4/19/12	10/26/15
Randy Ragon 713 Front Street A Lāhainā, Hawai'i 96761	1/24/12 and 4/19/12	10/26/15
Dick Mayer 1111 Lower Kimo Drive Kula, Hawai'i 96790	4/21/12	10/26/15
Pauline Feine P.O. Box 627 Kīhei, Hawai`i 96753	4/21/12	10/26/15
Robin Newbold, Chair Maui Nui Marine Resource Council P.O. Box 532533 Kīhei, Hawai'i 96753	4/22/12	10/26/15
Maui Tomorrow 55 N. Church Street, Suite A5 Wailuku, Hawai'i 96793	4/23/12	10/26/15
West Maui Taxpayers Association P.O. Box 10338 Lāhainā, Hawai'i 96761	4/24/12	10/26/15
Surfrider Foundation Maui Chapter P.O. Box 790549 Pāi'a, Hawai'i 96779	5/7/12	10/26/15
Citizens for Truth and Justice Maui County P.O. Box 791071 Pāi'a, Hawai'i 96779	10/15/12	10/26/15

For Comment and Response Letters See Volumes II and III of IV

XII. REFERENCES

XII. REFERENCES

Abbott, Isabella Aiona; 1992 La'au Hawai'i Traditional Uses of Hawaiian Plants, Bishop Museum Press, Honolulu, HI.

Ainsworth, Gail, <u>2011 West Maui Sugar Association Plantation 1864-1881 [Web Page]</u>. Olowalu Town, LLC., http://www.olowalu.net/index.cfm?fuseaction=ig.page&PageID=127. (last accessed December 2011)

Ainsworth, Gail, <u>Olowalu Town</u>, <u>History and Culture</u>; Retrieved from http://www.olowalu.net/index.cfm?fuseaction=ig.page&CategoryID=28; September 2011.

Applegate, Connie, Owner at Olowalu Nui Hydroponic Tomato Farm, Telephone communication with Munekiyo & Hiraga, Inc., October 19, 2011.

Bittenbender, H.C. and Virginia Easton Smith, "Growing Coffee in Hawaii", Revised Edition, 2008.

Brown and Caldwell, Olowalu Water and Wastewater Options Report, October 31, 2005.

Burns, C.E.S., <u>1932 Manager's Report In Annual Report of the Pioneer Mill Company Limited for the Year Ending December 31</u>, <u>1931</u>, pp.10-15, Honolulu Star-Bulletin, Honolulu, HI.

Cai, Junning and PingSun Leung, "Economic Impacts of Shutting Down Hawaii's Sugar Industry", Economic Issues, April 2004.

Char & Associates, Botanical Survey, March 1999.

Coastal Geology Group, Department of Geology and Geophysics, School of Ocean and Earth Science and Technology, University of Hawai'i at Manoa, Erosion Maps prepared for the County of Maui.

Conde, Jesse C. and Gerald M. Best, <u>1973 Sugar Trains Narrow Gauge Rails of Hawaii</u>, Glenwood Publishers, Felton, California.

County of Maui, Department of Fire and Public Safety, Captain Paul Haake, email correspondence, September 7, 2012.

County of Maui, Department of Planning, <u>Final Environmental Assessment, Land Use Redesignation</u>, <u>Community Plan Amendments and Change in Zoning</u>, <u>Papalaua to Puamana</u>, <u>Lāhainā District</u>, <u>Island of Maui TMK (3) 4-7-001 (various)</u>; 4-8-002 (various); 4-8-003 (various), <u>August 8, 2008</u>.

County of Maui, Department of Planning, <u>Pali to Puamana Parkway Master Plan</u>, February, 2005. County of Maui, Office of Economic Development, <u>Maui County Data Book</u>, 2008.

County of Maui, Office of Economic Development, Maui County Databook 2010, February 2011.

County of Maui, Office of Economic Development, Maui County Databook 2012.

County of Maui, Planning Department, <u>Maui County Community Plan Update Program: Socio-Economic Forecast</u>, June 2006.

County of Maui, Police Department, Assistant Chief Lawrence Hudson, telephone, August 20, 2012.

County of Maui, Public Facilities Assessment Update, March 9, 2007.

County of Maui, The General Plan of the County of Maui, September 1990 Update.

County of Maui, Water Use and Development Plan, 1990.

County of Maui, West Maui Community Plan, February 1996.

County of Maui, Office of Economic Development, Maui County Data Book, 2008.

County of Maui, "Special Management Areas." [GISpolygon shapefile]. Digitized by Office of Planning using ArcInfo 7.1.1 from County blueline maps (2009). Retrieved from http://hawaii.gov/dbedt/gis/download.htm.

Department of Education, Analysis of the West Maui School Impact District, 2010.

Department of Education, http://www.doc.K12.hi.us/reports/enrollment.htm, August 2011 March, 2015.

Department of Education, <u>Draft Analysis of the Proposed West Maui School Impact District</u>, September 17, 2010.

Department of Education, Student Bus Transportation, Transport Officer Robert Joseph, telephone, September 7, 2012.

Fischer, John, "Sugar Industry in West Maui", http://gohawaii.about.com/od/mauiactivities/ss/sugar cane train.htm, Accessed October 18,2011.

Fornander, Abraham. 1919 Myth Concerning Molokini. In Fornander <u>Collection of Hawaiian</u> <u>Antiquities and Folk-Lore the Hawaiians' Account of the Formation of Their Islands and Origin of Their Race</u>, edited by T. G. Thrum. vol. V. Bernice P. Bishop Museum, Honolulu, Hawai'i.

Fornander, Abraham. 1919 Story of Puulaina. In Fornander <u>Collection of Hawaiian Antiquities and Folk-Lore the Hawaiians' Account of the Formation of Their Islands and Origin of Their Race, with the Traditions of Their Migration, Etc., as Gathered from Original Sources, Vol. V, Part III edited by T. G. Thrum, pp. 532-540. Memoirs of the Bernice Pauahi Bishop Museum. Bishop Museum Press, Honolulu, H.I.</u>

Fornander, Abraham. <u>Ancient History of the Hawaiian People to the Times of Kamehameha 1.</u> Honolulu: Mutual Publishing, 1996

Fredericksen, Demaris L. and Erik M. Fredericksen; 2000a <u>Archaeological Inventory Survey of Makai Portion (Phase I) of Olowalu Development Parcel, Olowalu Ahupua`a, Lahaina District, Maui Island (TMK 4-8-3:por.5)</u>. Prepared for Olowalu Elua Associates. Kahului, HI. Xamanek Researches. Pukalani, HI.

Fredericksen, Demaris L. and Erik M. Fredericksen; <u>2000b Archaeological Inventory Survey of Mauka Portion of Olowalu Development Parcel Phase 2, Olowalu Ahupua`a, Lahaina District, Maui Island (TMK 4-8-3:10)</u>. Prepared for Olowalu Elua Associates. Kahului, Maui. Xamanek Researches. Pukalani, HI.

Gershman, Brickner & Bratton, Inc., Integrated Solid Waste Management Plan, February 2009.

Gilmore, Abner Blanks, 1936 The Hawaii Sugar Manual, New Orleans, LA.

Graves, Donna K., S.T. Goodfellow and A.E. Helen <u>1998 Archaeological Inventory Survey</u>, <u>Launiupoko Development Parcel, Land of Launiupoko</u>, <u>Lahaina District</u>, <u>Island of Maui (TMK: 2-4-7-01:2)</u>. Prepared for Launiupoko, LLC. Paul H. Rosendahl, Ph.D, Inc. Hilo, HI.

Graves, Donna K. and Susan Goodfellow, <u>1991 Archaeological Inventory Survey Launiupoko Golf Course</u>, <u>Land of Launiupoko</u>, <u>Lahaina District</u>, <u>Island of Maui TMK 4-7-01:2</u>, Prepared for Launiupoko, LLC. Paul H, Rosendahl, Ph,D, Inc, Hilo, HI.

Haake, Paul, Captain, Fire Prevention Bureau, Interviewed by Telephone, 2012.

Handy, E. S. Craighill, Elizabeth Green Handy and Mary Kawena Pukui; <u>1991 Native Planters in Old Hawaii: Their Life, Lore, and Environment</u>. Revised ed. Bernice P. Bishop Museum Bulletin 233. Bishop Museum Press, Honolulu.

Haneberg, E., <u>1931 Manager's Report In Annual Reports of the Manager and Treasurer of the Olowalu Company for the Year Ending December 31, 1930</u>, pp. 1-5, Advertiser Publishing Co., Ltd., Honolulu, HI.

Hudson, Lawrence, Captain; Interviewed by Telephone, 2012.

Joseph, Mr., School Bus Transportation coordinator, Interviewed by Telephone, 2012.

Kāha'ulelio, Daniel; <u>2006 Ka 'Oihana Lawai 'a, Hawaiian Fishing Traditions</u>. Edited by M. P. Nogelmeier. Translated by M. K. Pukui. Bishop Museum Press, Honolulu.

Kaimikaua, John, http://hawaii.gov/dbedt/czm/todays_challenges/principles, <a href="http://hawaii.gov/dbedt/czm/todays_challenges/principles, <a href="http://hawaii.gov/dbedt/czm/todays_challenges/principles, <a href="http://hawaii.gov/dbedt/czm/todays_challenges/principles, <a href="h

Kamakau, S.M., 1992, <u>Ruling Chiefs of Hawaii</u>. Revised ed. The Kamehameha Schools Press, Honolulu, HI.

Katherine Kama'ema'e Smith, Pu'u Honua: The Legacy of Olowalu.

Kelly, Marion; 1989; Dynamics of Production Intensification in Pre-contact Hawai'i. In What's New? A Closer Look at the Process of Innovation, Chapter 5, edited by S. E. Van Der Leeuw and R. Torrence, pp. 82-105. Allen and Unwin, Lodon.

Kubota, Gary, <u>1999 Lahaina cane workers, lands face unpredictable future,</u> Honolulu Star Bulletin September 3, 1999. Honolulu, HI.

Ladana, J.; 1858 <u>Mooolelo Hawaii -- Helu 9, No ka Puuhonua</u>. Ka Hae Hawai'i June 2,1858, Vol. 3:33, Honolulu.

Lee-Greig, Tanya and Hallett H. Hammatt; 2006 A Cultural Impact Assessment for the Proposed Pali to Puamana Parkway Polanui Ahupua'a to Ukumehame Ahupua'a, Lāhainā District Maui Island TMK: (2) 4-8-02: multiple parcels, 4-8-03: multiple parcels and 4-7-01:multiple parcels. Cultural Surveys Hawai'i Inc., Wailuku, HI

Lee-Greig, Tanya, 2012 An Archaeological Literature Review for the Olowalu Town Master Plan, Olowalu and Ukumehame Ahupua'a, Lāhainā District, Maui Island, TMK: [2] 4-8-003:84, 98, through 118, and 124. Prepared for Frampton and Ward, LLC., Wailuku, HI., Cultural Surveys Hawai'l, Inc., Wailuku, HI.

Leone, Diana, "Monsanto shifting jobs from Kauai to Maui, Oahu", The Honolulu Advertiser, March 13, 2009.

Maly, Kepa and Onaona Maly; <u>2003 Ka Hana Lāwai `a a me nā ko `a on na Kai `Ewalu A History of fishing Practices and Marine Fisheries of the Hawaiian Islands.</u> Prepared for The Nature Conservancy. Honolulu, HI. Kumu Pono Associates. Hilo, HI.

Maui Memorial Medical Center [Web Page]; http://www.mauimemorialmedical.org/ http://www.mauimemorialmedical.org/ <a href="Resources/14132/File

Maui News, Anaergia Finalizing Renewable Fuel Buyers, February 9, 2015; http://www.mauinews.com/page/content.detail/id/594852/Anaergia-finalizing-renewable-fuel-buyers.html?nav=10, accessed February 2015.

Nance, Tom Water Resource Engineering, "Impact on Water Resources of the Olowalu Town Project", September 2011.

National Oceanic and Atmospheric Administration, Office for Coastal Management Digital Coast; http://coast.noaa.gov/digitalcoast/tools/slr, accessed November 2014.

National Oceanic and Atmospheric Administration, Shallow-Water Benthic Habitats on the Main Hawaiian Islands, 2007; http://ccma.nos.noaa.gov/products/biogeography/hawaii_cd_07/; accessed December 2014.

National Parks and Recreation Associations, Recreation, Park and Open Space Standards and Guidelines, 1983.

Norcross-Nuu, Zoe, et al., <u>Bringing Sea-Level Rise into Long Range Planning Considerations on Maui, Hawai'i</u>, 2008.

Olowalu Water Company, Inc., "Rules and Regulations Governing Rate Schedules and the Provision of Non Potable Water Service to Customers", September 12, 2011.

Olowalu Water Company, Inc. "Water Usage Data", September 2011 and March 2015.

Pacific Business News, Maui County Inks Agreement for New Waste facility, January 10, 2014. http://www.bizjournals.com/pacific/news/2014/01/10/maui-county-inks-agreement-for-new.html; accessed December 2014.

Pacific Business News, *Maui Home Sales Jump 20% as Prices Rise by 5%*, http://www.bizjournals.com/pacific/news/2015/04/11/maui-home-sales-jump-20-as-prices-rise-by-5.html, Accessed May, 2015.

Pioneer Mill Company, Ltd., <u>1932 Annual Report of the Pioneer Mill Company Limited for the Year Ending December 31</u>, 1931, Honolulu Star-Bulletin, Honolulu, HI.

Realtors Association of Maui, Inc., Maui Overview Website, http://www.ramaui.com, July 2011March 2015.

Robins, Jennifer J., William H. Folk and Hallett H. Hammatt; 1994 An Archaeological Inventory Survey of an Approximately 14.7 Mile Proposed Transmission Line, from Ma'alaea to Lahaina, Maui, Hawai'i. Prepared for Dames & Moore. Cultural Surveys Hawai'i Inc. Kailua, HI.

Schmitt, Robert C., <u>1973 The Missionary Censuses of Hawai'i, Pacific Anthropological Records No.</u> <u>20</u>, Bernice Pauahi Bishop Museum, Department of Anthropology, Honolulu, HI.

SMS, Hawaii Housing Policy Study Update, 2003.

SMS Research and Marketing Services, Inc., Hawai'i Housing Study, November 2011.

State of Hawai'i, Commission on Water Resource Management, <u>Hawaii Stream Assessment</u>, <u>A Preliminary Appraisal of Hawaii's Stream Resources</u>, Report R84, December 1990.

State of Hawai'i, Department of Business, Economic Development and Tourism, <u>State of Hawaii</u> Data Book, 2008 and 2013.

State of Hawai'i, Department of Education; Enrollment Data (2014-2015); http://www.hawaiipublicschools.org/VisionForSuccess/SchoolDataAndReports/SchoolReports/Pages/home.aspx; Accessed December 2014.

State of Hawai'i, Department of Education; Analysis of West Maui School District Impact District, October 27, 2010.

State of Hawai'i, Department of Labor and Industrial Relations (DLIR), Local Area Unemployment Statistics, http://www.hiwi.org, July 2011September 2015.

State of Hawai'i, Department of Land and Natural Resources, Division of Aquatic Resources; <u>Atlas of Hawaiian Watersheds and Their Aquatic Resources</u>; <u>http://www.hawaiiwatershedatlas.com/watersheds/maui/61002.pdf</u>.

State of Hawai'i, Department of Transportation; <u>Draft Environmental Assessment, Proposed Relocation for Lahaina Bypass Southern Terminus</u>; April 2012.

State of Hawai'i, Department of Transportation, <u>Hawaii Statewide Transportation Plan</u>, September 2002.

State of Hawai'i, Department of Transportation, <u>Maui Long-Range Land Transportation Plan</u>, February 1997.

State of Hawai'i, Department of Transportation and Federal Highway Administration; <u>Environmental Impact Statement Preparation Notice for the Honoapiilani Highway Realignment/Widening, Maalaea</u> To Launiupoko; May 11, 2007.

State of Hawai'i, Department of Transportation, Highways Division, <u>Federal-Aid Highways 2035</u> Transportation Plan for the District of Maui; July 2014.

State of Hawai'i, Department of Transportation, Statewide Transportation Improvement Program, FFY 2015 thru FFY 2018 (FFY 2019-2020 Information Only), Effective Date: October 27, 2014.

State of Hawai'i, Land Use Commission, http://luc.state.hi.us/, November 2009.

State of Hawai'i, Office of Planning, Hawai'i Coastal Zone Management Program, <u>Hawai'i Ocean Resources Management Plan</u>, July 2013.

Stearns, Harold T. and Gordon A. MacDonald, <u>1942 Geology and Ground-Water Resources of the Island of Maui, Hawaii (Including Haleakala Section, Hawaii National Park)</u>. Territory of Hawaii, <u>Division of Hyrdrography in cooperation with the Geological Survey</u>, United States Department of the Interior, Honolulu, HI.

Takamine, Tracy; Division Chief, Department of Environmental Management, Solid Waste Division; Interview by Telephone, 2012.

The Garden Island; NOAA lists 20 corals as threatened; August 28, 2014 http://thegardenisland.com/news/local/noaa-lists-corals-as-threatened/article858f1fb0-2e75-11e4-8; accessed January 2015.

Tom Nance Water Resource Engineering, "Impact on Water Resources of the Olowalu Town Project", September 2011.

Tremble, Glenn, Manager at Olowalu Water Company. Telephone communication with Munekiyo & Hiraga, Inc., October 12, 2011.

University of Hawai'i, Land Study Bureau, <u>Detailed Land Classification</u>, Island of Maui, May 1967.

- U.S. Census Bureau, 2010 Census Summary File 1, Accessed August 2011.
- U.S. Census Bureau, 2000 Census Summary File 1, Accessed August 2011.
- U. S. Department of Agriculture, Soil Conservation Service, <u>The Soil Survey of the Islands of Kaua'i, Oahu, Maui, Moloka'i and Lāna'i</u>, State of Hawai'i, August 1972.
- U.S. Fish and Wildlife Service, 1999.
- U.S. Geological Survey; <u>Atlas of Natural Hazards in the Hawaiian Coastal Zones</u>, 2002; <u>http://pubs.usgs.gov/imap/i2761/sections/5_Maui.pdf</u>; accessed December 2014.
- U.S. Green Building Council, http://www.usgbc.org/DisplayPage.aspx?CMSPageID=148, October 2011.

West Maui Hospital and Medical Center [Web Page]; http://westmauihospitalandmedicalcenter.org/; accessed September 2015.

West Maui Land Company, email correspondence, March, 2015.

Wright, J.C.; 1974a 50-50-08-01602 Olowalu Mill District. Hawai`i Department of Land and Natural Resources State Historic Preservation Division. Kapolei, HI.

Wright, J. C.; 1974b <u>50-50-08-01603 Olowalu Stone Church Ruins</u>. Hawai'i Department of Land and Natural Resources State Historic Preservation Division. Kapolei, HI.

Yerton, Stewart, "Ethanol producers not ready to fill mandate", Honolulu Star Bulletin, March 15 2006.				
Xamanek Researches, <u>Archaeological Inventory Surveys</u> , 1999 and 2000.				

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