



October 14, 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
City & County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

Subject: General Biological Resource and Pueo Surveys for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Tetra Tech, Inc. conducted a biological survey for the West O'ahu Solar Plus Storage Project (Project). The purpose of the survey was to characterize the existing habitat and assess the potential for state or federally listed threatened, endangered, or otherwise rare plants or animals to occur within the Project area. As discussed in the Special Use Permit (SUP) application, the biological survey was conducted on January 31, 2019 and February 5, 2019; a follow-up survey was conducted on November 14, 2019 to confirm the findings relative to an adjustment in the Project area boundary. As part of the general biological survey, a focused survey specifically intended to detect pueo or Hawaiian short-eared owl (*Asio flammeus sandwichensis*) was conducted within the Project area. To increase detectability, three additional pueo surveys were conducted in September, November, and December 2019. The results of these surveys are summarized in the SUP application, with additional detail in the Biological Resource Survey and Supplemental Pueo Survey Reports (Attachment E).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the biological resource and pueo surveys, and the discussion of biological resources presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at Tiffany.Agostini@tetrattech.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'T Agostini'.

Tetra Tech, Inc.
Tiffany Agostini
Senior Biologist

CULTURAL SURVEYS HAWAII

ARCHAEOLOGICAL, CULTURAL, AND HISTORICAL DOCUMENTATION SERVICES — SINCE 1982

13 October 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
City & County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

Subject: Archaeological Inventory Survey (AIS) for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

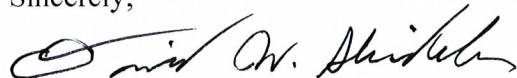
Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Cultural Surveys Hawai'i conducted an archaeological inventory survey (AIS) for the West O'ahu Solar Plus Storage Project (Project). The purpose of the survey was to identify, document and assess the significance of historic properties within the Project area. As discussed in the Special Use Permit (SUP) application, the AIS included background research (with sources including archival documents, historic maps, Land Commission Awards [LCAs], and previous archaeological reports) to construct a history of land use and to determine if historic properties have been previously recorded in or near the Project area, as well as to formulate a predictive model of the types and locations of historic properties that would be expected to occur. The field component included a 100 percent pedestrian inspection of the Project area to identify any potential historic properties within the Project area. The results of the AIS are summarized in the SUP application, with additional detail in the AIS Report (Attachment F).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the AIS, and the discussion of historic properties presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at 808-262-9972.

Sincerely,



David W. Shideler
Cultural Surveys Hawai'i, Inc.
dshideler@culturalsurveys.com
Cell-(808) 753-0785



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ARCHAEOLOGICAL, CULTURAL, AND HISTORICAL DOCUMENTATION SERVICES — SINCE 1982

13 October 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
City & County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

Subject: Cultural Impact Assessment (CIA) for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

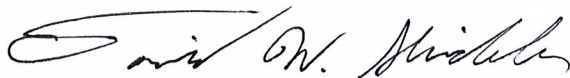
Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Cultural Surveys Hawai'i conducted a cultural impact assessment (CIA) for the West O'ahu Solar Plus Storage Project (Project). The purpose of the CIA was to evaluate the potential effect of the Project on cultural beliefs, practices, and resources, including traditional cultural properties. As discussed in the Special Use Permit (SUP) application, the assessment included archival and background research, as well as community consultation to obtain input from knowledgeable individuals regarding present and past uses, cultural sites, traditional gathering practices, cultural association and any associated cultural concerns. The results of the CIA are summarized in the SUP application, with additional detail in the CIA Report (Attachment G).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the CIA, and the discussion of cultural resources presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at 808-262-9972.

Sincerely,



David W. Shideler
Cultural Surveys Hawai'i, Inc.
dshideler@culturalsurveys.com
Cell (808) 753-0785



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Subject: Landscape Plan for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Mailelani Design developed a landscape plan for the West O'ahu Solar Plus Storage Project (Project). The landscape plan is summarized in the Special Use Permit (SUP) application, with further detail in Landscape Narrative (Attachment K) and Sheets L1, L2, L3 of the drawing set (Attachment H).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. Sheets L1, L2, L3 have been updated to reflect the revised Project area. The reduction in the Project area had no effect on the location of any of the landscape components. The landscape approach and plan presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at Vivian@mailelanidesign.com.

Sincerely,

Mailelani Design

Vivian Arita, PLA, ASLA, LEED® AP



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City & County of Honolulu
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Subject: Decommissioning Plan for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

In March 2020, HDR developed a decommissioning plan for the West O'ahu Solar Plus Storage Project (Project). The decommissioning plan describes the general measures and procedures that should be developed and implemented to decommission and restore the site and safely dispose of or recycle Project materials. A discussion of the decommissioning plan is included in the Special Use Permit (SUP) application, with additional detail in the Decommissioning Plan (Attachment L).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the recommendations for decommissioning, and the Decommissioning Plan presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at David.phillips@hdrinc.com.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Dave Phillips'.

HDR Engineering, Inc.
Dave Phillips
Power Delivery Renewables Lead

October 14, 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
City & County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

**Subject: Stormwater Management Plan for the West O'ahu Solar Plus Storage Project,
Special Use Permit No. 2020/SUP-6**

Dear Ms. Sokugawa,

In January 2020, 3J Consulting on behalf of HDR Engineering, Inc. developed a 60% Stormwater Management Plan for the West O'ahu Solar Plus Storage Project (Project). The memorandum discusses methodologies used in quantifying stormwater runoff for the affected areas and sizing the required stormwater management best management practices (BMPs). The design and analysis of onsite BMPs are based on the County of Honolulu's "Rules Relating to Storm Drainage Standards", "Post-Construction Water Quality Requirements" and "Storm Water BMP Guide for New and Redevelopment". The results of the analysis are described in the Special Use Permit (SUP) application, with additional detail in the 60% Stormwater Management Design Memo (Attachment N).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the Stormwater Management Design Memo, and the discussion of Stormwater Management Design presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at aaron.murphy@3j-consulting.com.

Sincerely,



Aaron Murphy, PE
Sr. Project Manager
3J Consulting, Inc.

copy: File





October 14, 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
City & County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, HI 96813

Subject: Glare Analysis for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Tetra Tech conducted a glare analysis for the West O'ahu Solar Plus Storage Project (Project). As discussed in the Special Use Permit (SUP) application, the glare analysis was conducted using the Solar Glare Hazard Analysis Tool (SGHAT) software through an online tool (GlareGauge) developed by Sandia National Laboratories and hosted by ForgeSolar. The analysis included three segmented traffic routes (H-1 Freeway, Farrington Highway, and Kualaka'i Parkway), three observation points from the surrounding community (to the west, south and east), as well as the various final approach flight paths and air traffic control towers associated with Kalaeloa Airport, Daniel K. Inouye International Airport and Wheeler Army Airfield. The results of the glare analysis are summarized in the SUP application, with additional detail in the Glare Analysis Report (Attachment P).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the glare analysis, and the discussion of potential glare impacts presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at Joshua.Burdett@tetrattech.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Burdett', written over a horizontal line.

Tetra Tech
Josh Burdett
Lead Glare Analyst



TERRANCE S. ARASHIRO, P.E.
ADRIENNE W.L.H. WONG, P.E., LEED AP
DEANNA M.R. HAYASHI, P.E.
PAUL K. ARITA, P.E.
ERIK S. KANESHIRO, L.P.L.S., LEED AP
MATT K. NAKAMOTO, P.E.
GARRETT K. TOKUOKA, P.E.

October 14, 2020

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c/o Mr. Raymond Young
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Subject: Traffic Impact Analysis Report for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

In February 2020, Austin, Tsutsumi & Associates Inc. conducted a Traffic Impact Analysis Report (TIAR) for the West O'ahu Solar Plus Storage Project (Project). The purpose of the report was to document the findings of the traffic study and to evaluate impacts resulting from the proposed Project. The results of the findings are summarized in the Special Use Permit (SUP) application, with additional detail in the Traffic Impact Analysis Report (Attachment Q).

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of TIAR, and the discussion of traffic impacts presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at eimada@atahawaii.com.

Sincerely,

Austin, Tsutsumi & Associates Inc.
Eric Imada, P.E.
Project Manager



October 14, 2020

Kathy Sokugawa, Director
c/o Mr. Raymond Young
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Subject: Economic Assessment for the West O'ahu Solar Plus Storage Project, Special Use Permit No. 2020/SUP-6

Dear Ms. Sokugawa:

At the request of AES West Oahu Solar, LLC (AES), Tetra Tech conducted an economic assessment for the West O'ahu Solar Plus Storage Project (Project). As discussed in the Special Use Permit (SUP) application, the economic activity associated with the Project was modeled using IMPLAN, a commercially available economic modeling package widely used to assess the economic impacts of renewable energy and many other types of projects. Economic impacts were assessed in terms of employment, labor income, and economic output, with separate analyses presented for the construction and operation phases. The results of the economic assessment are summarized in Section 6.13 of the SUP application.

It is understood that AES recently adjusted the Project boundary resulting in an approximately 0.5-acre reduction of the Project area. This reduction of the Project area does not affect the findings and conclusions of the economic assessment, and the discussion of economic impacts presented in the SUP application remains valid for the revised 96.353-acre Project area.

If you have any questions regarding the information provided herein, please contact me at Matt.Dadswell@tetrattech.com.

Sincerely,

A handwritten signature in blue ink that reads 'Matt Dadswell'.

Tetra Tech
Matt Dadswell
Senior Economic Analyst