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DEPARTMENT OF TRANSPORTATION
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IN REPLY REFER TO:
DIR 0667
STP 8.2164

June 29, 2017

Ms. Kathy K. Sokugawa
Acting Director
City and County of Honolulu
Department of Planning and Permitting
650 South King Street, 7th Floor
Honolulu, Hawaii 96813



Dear Ms. Sokugawa:

Subject: Waipio Solar Farm
Petition to Amend Special Use Permit (2014/SUP-03)
Central Oahu, Oahu, Hawaii
TMK: (1) 9-5-003:017 (por.)

Department of Transportation (DOT) commented earlier in HWY- PS 2.4948 dated 6/21/17.
We now offer the following supplemental comments:

Airports Division (DOT-A)

1. Photovoltaic (PV) systems, located in or near the approach path of the aircraft into any airport, can create a hazardous condition for a pilot due to possible glint and glare reflected from the PV array. The following website may assist you with preparation of a glint and glare analysis: www.sandia.gov/glare.
2. If glint or glare from the PV array creates a hazardous condition for pilots, the owner of the photovoltaic system must be prepared to immediately mitigate the hazard, upon notification by DOT-A or the Federal Aviation Administration (FAA). The FAA has advised us that there can be no glint or glare from the PV array into the Air Traffic Control Tower cab at the Airport.
3. Additionally, operating PV installations have been known to emit radio frequency noise that may create radio frequency interference (RFI) to aviation-dedicated radio signals, disrupting the reliability of air-to-ground communications. An owner must ensure that an operating PV installation will not create any RFI so as to not interfere with any aviation communication frequency.

8/11/17
LAND USE COMMISSION

Ms. Kathy K. Sokugawa
June 29, 2017
Page 2

DIR 0667
STP 8.2164

4. Although the subject location is beyond 5 miles of DOT-A airport locations (JRF, HNL), it does underlie a frequently used path for aircraft transitioning to/from the North Shore and HNL, JRF. Due to aircraft operations at Wheeler Army Air Field (AAF), we recommend coordinating communications on the planning, review, construction, and operation of the proposed solar facility with the Wheeler AAF Commander.

If there are any questions, please contact Mr. Norren Kato of the DOT Statewide Transportation Planning Office at telephone number (808) 831-7976.

Sincerely,

A handwritten signature in black ink, appearing to read 'FORD N. FUCHIGAMI', written in a cursive style.

FORD N. FUCHIGAMI
Director of Transportation