

LOL-HECO-IR-82

Ref: "If there is no sun at the time of a potential overload condition on the 138kV transmission lines supplying the Koolau/Pukele area, there will be no possibility of reducing the overload on the Koolau/Pukele area transmission lines with PV-based generation." (Exhibit 6, page 53)

Question(s):

- a. During the time of day that HECO schedules maintenance work, i.e., between 9 am and the early afternoon, will photovoltaic generators provide reliable electricity?
- b. If the photovoltaic generation is discounted to reflect cloudy conditions, couldn't it still be quantified at a greater than zero value?

HECO Response:

- a. The question is hypothetical because it assumes that enough photovoltaic generators could be practically installed in the Koolau/Pukele area to address the Koolau/Pukele Overload Situation. However, assuming that enough photovoltaic generators could be installed, if it was a cloudy day, it is questionable whether the photovoltaic generators could provide reliable electricity.
- b. The question is hypothetical because it assumes that enough photovoltaic generators could be practically installed in the Koolau/Pukele area to address the Koolau/Pukele Overload Situation. However, on a cloudy day, one could argue that a photovoltaic generator could provide power greater than zero but how much power is highly speculative, without knowing the specifics of the generator.