

CA-IR-13

**Ref: T-4, Page 21 Line 11 to 18.**

Please provide a listing of all other substations that violate this same transmission planning criteria.

HECO Response:

The criteria identified in lines 11 to 18 of HECO T-4 is HECO's Transmission Planning Criteria, Section IV.3, which states that no transmission component shall exceed its emergency rating with one generating unit on overhaul, one transmission line out for maintenance and loss of a second transmission line. This criteria is applied to the 138kV transmission lines rather than transmission substations. Therefore, the following lines will exceed their emergency ratings for the 20-year period from 2003-2022 in Exhibit 5 of the Application:

<u>138kV Transmission Lines</u>	<u>Year of Overload</u>
1) Waiiau-Koolau #1	2005
2) Waiiau-Koolau #2	2005
3) Halawa-Koolau	2005
4) Makalapa-Airport-Iwilei	2021 with Honolulu Power Plant and the adjustments, as explained in the response to CA-IR-11
5) Halawa-School	2021 with Honolulu Power Plant and the adjustments, as explained in the response to CA-IR-11

- 6) Halawa-Iwilei 2021 with Honolulu Power Plant and the adjustments, as explained in the response to CA-IR-11
- 7) Waiiau-Makalapa #1 2022. Based on the assumptions used for the East Oahu Transmission Study Update (Exhibit 5).