

LOL-HECO-IR-6

Ref: "The load in certain segments of the Pukele service area could be manually switched to other 46 kV back up circuits" (HECO Application, page 16)

Question(s):

- a. How many locations does this involve?
- b. What would be the average cost of providing EMS controlled automatic switching capabilities at a given location?

HECO Response:

- a. The manual switching of the load in certain segments of the Pukele service area involves four locations currently along the Pukele 1 and Pukele 5 circuits and one breaker in the Wailupe Substation.
- b. The average cost of providing Energy Management System (EMS) controlled automatic switching capabilities is approximately \$141,000 per location, plus \$125 per month (payable to Verizon) for leased frame relay circuit.