

LOL-HECO-IR-14

Ref: Downtown Line Overload (HECO Application, page 18)

Question(s):

- a. Which downtown 46kV and 138kV transmission lines can be maintained through LW?
- b. Can the Downtown Line Overload problem be averted, delayed and/or minimized through LW techniques on underground 46kV and 138kV transmission lines?

HECO Response:

- a. See the response to subpart b.
- b. LW would not have a measurable impact on the above referenced downtown overload problem. There are very limited applications for LW on underground transmission lines of any voltage. One of the applications is when there is more than one circuit in a work area (e.g., manhole or vault) and one circuit needs to be worked on, the circuit to be worked on must be de-energized and tested before the work begins. In the United States, the testing to verify that the circuit has been de-energized is considered LW. (Other countries have a different interpretation regarding whether this work is considered LW.)