

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET Cal Advocates - SCE - 2023 WMP - 07

To: Cal Advocates
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Response Date: 4/7/2023

Question 21:

SCE states on p. 405 of its 2023 WMP regarding its satellite technology pilot program that “While SCE is still evaluating results, the results appear favorable in the areas of clearances, species identification, health identification, and inventory counting.”

- a) Please provide the abovementioned results of the pilot program for all areas studied.
- b) When does SCE expect to finish the abovementioned evaluation of results?
- c) What metrics and criteria is SCE using to determine whether the pilot program is a success?
- d) When does SCE expect to implement the satellite technology program if the pilot is deemed successful from the evaluation?

Response to Question 21:

a. For clearance distances, SCE is currently seeing approximately 98% accuracy within a 2-foot margin of error (i.e., 98% of points identified by satellite are within a 2-foot distance of where LiDAR identified them). If the margin of error is increased to 3 feet, 100% of points identified by satellite match the LiDAR data. For species and health, the vendor has delivered reports indicating satellite’s ability to identify several species-types and indications of tree health. These data points are pending field validation, but initial desktop (street view) reviews, where possible, indicate correct identifications by satellite. For inventory counts, vendor reports provided up to this point also indicate that the number of inventory points identified by satellite are close to the inventory number on record from circuit to circuit.

b. Satellite evaluation and testing is expected to be completed by the end of Q4 2024.

c. The metrics for clearances are mentioned above in response to part (a). Similar percentage-based metrics of accuracy would also apply to species identification, tree health, and inventory count when compared to field validations and information on record.

d. Different aspects of the satellite technology would be implemented at different times depending on their development. As referenced in response to questions 18, 19, and 20, SCE currently anticipates the pilot phase to continue through 2024. Full implementation in 2025 and beyond will be dependent on the results of these pilots, including whether results meet operational requirements, merge well with existing SCE processes, and continue to be cost effective.