

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 19:

SCE states on p. 404 of its 2023 WMP that it intends to evaluate “Satellite to Replace Inspections” as a use case for Satellite Technology.

Please provide the following regarding this use case:

- a) The methodology SCE will use to evaluate this use case
- b) When SCE plans to finish the evaluation for this use case
- c) The budget for the evaluation
- d) How SCE will decide whether this use case will be implemented

Response to Question 19:

a. SCE concurrently conducts satellite analysis and LiDAR surveys on certain circuits. SCE will compare the LiDAR data with the satellite data to determine the relative resolution and accuracy of satellite versus LiDAR in determining clearance distances. SCE will subsequently determine the feasibility for use in future inspections. For full replacement of ground inspections, SCE needs to evaluate satellite’s ability to identify species via hyperspectral/multispectral imaging, which will be needed for prescriptions.

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

c. The estimated cost for satellite work in 2023 is approximately \$370,000, and the estimated cost in 2024 is approximately \$721,000. This cost is inclusive of the efforts discussed in Questions 18, 20 and 21.

d. SCE will base the decision for implementation on whether or not satellite data is determined to have the accuracy needed to meet operational requirements, which may differ by location; the timeliness of data delivery; and whether or not satellite technology continues to be cost competitive compared to LiDAR.