

Southern California Edison

WSD-011 – Resolution implementing the requirements of Public Utilities Code Sections 8389(d)(1), (2) and (4) related to catastrophic wildfire caused by electrical corporations subject to the Commission’s regulatory authority

DATA REQUEST SET Cal Advocates - SCE - 2021 WMP - 09

To: Cal Advocates
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Received Date: 3/4/2021

Response Date: 3/9/2021

Question 006:

The following questions relate to Table 1 of the non-spatial WMP data tables. All questions specifically concern inspections of distribution facilities in HFTD areas. For purposes of this data request, “high-priority findings” mean Level 1 and Level 2 inspection findings. For each type of detailed or “other” inspection that you perform on distribution facilities in HFTD areas, please answer the following questions:

- a) Please list the five most common types of high-priority findings identified in these inspections.
- b) How many personnel are involved in each inspection?
- c) In 2020, how many person-hours were typically required to complete an inspection of one distribution pole and the equipment on it?
- d) In 2020, how many person-hours were typically required to inspect one circuit-mile?
- e) How many qualified personnel do you currently have to perform these inspections?
- f) Of the personnel identified in part (e), how many are direct employees of SCE and how many are contractors?

Response to Question 006:

a) The table below shows the five most common high priority findings identified by each inspection type.

Distribution HFRA	5 year Total
Overhead Detail Inspection	
3rd Party, Communication Infrastructure Provider, Clean/paint	9646
Pole	6935
Vegetation	6211
Clearance	5164
Guy	3127
Distribution Aerial Risk Informed Insp	
Crossarm	1581
Pole	1205
Hardware /Framing	729

Nest, Environmental	573
Vegetation	325
Distribution Intrusive Pole Inspection (IPI)	
Pole	17814
Streetlight /Lamp	6
Misc	2
Remove Idle Equi	2
Vegetation	1
Annual Grid Patrol	
Nest, Environmental	20
Remove Idle Equi	15
Crossarm	6
Transformer	6
Hardware /Framing	3
Overhead Infrared Inspection	
Connector	42
Switch	10
Lightning Arrestor	8
Transformer	5
Apparatus	4

b) - f) The table below shows the responses for each inspection type

	Overhead Detailed Inspection	Aerial Inspection	Annual Grid Patrol ²	Infrared Inspection	IPI
b) How many personnel are involved in each inspection?	1	1	1	2 member crew	1-3 member crews
c) In 2020, how many person-hours were typically required to complete an inspection of one distribution pole and the equipment on it?	0.5	0.25	See Note 2	See Note 2	See Note 3
d) In 2020, how many person-hours were typically required to inspect one circuit-mile? ¹	14.7	7.4	See Note 2	See Note 2	See Note 3

e) How many qualified personnel do you currently have to perform these inspections?	142	20 Inspectors	All ODI resources are qualified to perform AGP. SCE currently has between 2-7 contract resources	See Note 2	~28 crews
f) Of the personnel identified in part (e), how many are direct employees of SCE	89	3	0	0	0
and how many are contractors?	53	17	2-7 contract resources	See Note 2	~28 crews

¹ SCE does not track inspections by circuit mile (except for Infrared inspections). The person hours from part c were used to estimate the equivalent circuit miles.

² This activity is performed by a contractor. SCE does not have detailed information on the resources and person hours per inspection.

³ This activity is performed by a contractor at a unit rate. SCE does not have information on the person-hours per inspection.