

Southern California Edison
R.18-10-007 SB 901 Docketed Data Request

DATA REQUEST SET: R 1 8 1 0 0 0 7 T U R N - S C E - D R 1

To: TURN
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Title: Senior Advisor Dated: 12/12/18

Question 03: 3. Using the table formats shown below, for all fire incidents reported to the CPUC pursuant to D.14-02-015, please identify the number of fire incidents per mile of overhead conductor by year:

- a. Outside of HFRA.
- b. In HFRA.
- c. In HFRA the CPUC has categorized as Tier 3.
- d. In HFRA the CPUC has categorized as Tier 2.

As shown in the tables below, please provide this information for all fire incidents, and then broken out by incidents related to transmission and distribution facilities.

Response to Question 03:

The tables below contain the number of fire incidents per circuit mile by year. Please note that the fire incident data used to calculate the numbers in the tables below is for the time period May 2014 through December 2017. The fire information is taken from SCE's annually-filed reports to the CPUC pursuant to D.14-02-015 and does not include 2018 data as SCE has not yet filed its 2018 annual report with the CPUC. Additionally, SCE has defined Distribution for this response as 33 kV and below and Transmission as 55 kV and above.

Please note that the circuit mile data used to calculate the numbers in the tables below is from Overhead (OH) Distribution and Transmission OH circuit miles. This circuit mile data is for OH primary lines only, current as of November 2018. This circuit mile data may change in the future as part of SCE's ongoing review of its asset information and/or system changes (e.g., adding new circuits).

Number of Reported Fire Incidents per Circuit Mile of Overhead Conductor								
	Non HFRA	Non-CPUC HFRA	Zone 1	200' Buffer Zone for Tier 2	HFRA-Tier 2	200' Buffer Zone for Tier 3	HFRA-Tier 3	HFRA-Total
2017	0.00156	0.00472	0.00000	0.01080	0.00070	0.00000	0.00226	0.00248
2016	0.00134	0.00262	0.00000	0.00216	0.00192	0.00000	0.00323	0.00269
2015	0.00171	0.00157	0.00000	0.00216	0.00210	0.01786	0.00334	0.00264
2014	0.00058	0.00105	0.00000	0.00216	0.00105	0.00000	0.00097	0.00103

Number of Reported Fire Incidents Per Circuit Mile of Overhead Distribution Conductor								
	Non HFRA	Non-CPUC HFRA	Zone 1	200' Buffer Zone for Tier 2	HFRA-Tier 2	200' Buffer Zone for Tier 3	HFRA-Tier 3	HFRA-Total
2017	0.00179	0.00537	0.00000	0.01096	0.00080	0.00000	0.00359	0.00339
2016	0.00168	0.00268	0.00000	0.00274	0.00267	0.00000	0.00427	0.00339
2015	0.00209	0.00168	0.00000	0.00274	0.00214	0.00000	0.00513	0.00339
2014	0.00069	0.00134	0.00000	0.00274	0.00160	0.00000	0.00137	0.00146

Number of Reported Fire Incidents Per Circuit Mile of Overhead Transmission Conductor								
	Non HFRA	Non-CPUC HFRA	Zone 1	200' Buffer Zone for Tier 2	HFRA-Tier 2	200' Buffer Zone for Tier 3	HFRA-Tier 3	HFRA-Total
2017	0.00062	0.00239	0.00000	0.01020	0.00051	0.00000	0.00000	0.00063
2016	0.00000	0.00239	0.00000	0.00000	0.00051	0.00000	0.00146	0.00126
2015	0.00015	0.00120	0.00000	0.00000	0.00202	0.04348	0.00029	0.00110
2014	0.00015	0.00000	0.00000	0.00000	0.00000	0.00000	0.00029	0.00016

HFRA Category Descriptions:

Non HFRA: Areas that are outside of CPUC Tier 2 and Tier 3, outside of the 200' buffer, and outside of the Non-CPUC HFRA's.

Non-CPUC HFRA: These areas were previously designated by SCE as HFRA but are not included in the current CPUC High Fire Threat Maps. SCE is evaluating these areas to determine whether they should still be considered as HFRA, but is continuing to maintain this designation for now out of an abundance of caution.

Zone 1: These areas consist of the Tier 1 High Hazard Zone (HHZ) on the United States Forest Service (USFS) - CAL FIRE joint map of Tree Mortality HHZs.

200' Buffer Zone for Tier 2: SCE has created a 200' buffer zone along the borders of CPUC Tier 2 areas. This buffer abuts CPUC Tier 2 but is not included where Tier 2 abuts Tier 3.

HFRA-Tier 2: These areas consist of the CPUC-defined Tier 2 areas.

200' Buffer Zone for Tier 3: SCE has created a 200' buffer zone along the borders of CPUC Tier 3 areas. This buffer abuts CPUC Tier 3 but is not included where Tier 3 abuts Tier 2.

HFRA-Tier 3: These areas consist of the CPUC-defined Tier 3 areas.