

**OSA DATA REQUEST: OSA-SDG&E-01**  
**R.18-10-007 – SB901 WILDFIRE MITIGATION PLAN OIR**  
**SDG&E RESPONSE**

**Date Received: February 23, 2019**  
**Date Submitted: February 28, 2019**

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**QUESTION 1:**

Regarding your distribution infrastructure and your transmission infrastructure that is located within the boundaries of the Commission's High Fire-Threat District Map, what are the maximum wind speeds that these existing facilities have been designed to withstand? Please provide total circuit miles and maximum wind speed data for facilities in each of the wildfire threat designation areas (Zone 1, Tier 2, and Tier 3). How many circuit miles located within each of the three designated areas are currently designed to withstand wind gusts greater than 100 mph?

**RESPONSE 1:**

SDG&E's distribution and transmission infrastructure located within the High Fire Threat District (HFTD) have been designed to withstand maximum wind speeds of either 56 miles per hour (mph), 85 mph, or 111 mph. The total circuit miles and maximum wind speed data requested is provided in the table below.

		Transmission (miles)	Distribution (miles)
Tier 2 HFTD	56 mph	294	1750
	85 mph	427	87
	111 mph	0	0
Tier 3 HFTD	56 mph	92	1664
	85 mph	196	303
	111 mph	4	0
HFTD Total	56 mph	386	2824
	85 mph	623	390
	111 mph	4	0

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**QUESTION 2:**

How many circuit miles of distribution facilities and of transmission facilities do you own and/or operate that are located within the Commission's High Fire-Threat District Map (including all areas Zone 1, Tier 2, and Tier 3) that are more than 50 years old? How many circuit miles are more than 80 years old? For the circuits that are more than 80 years old, where are they located physically, what fire threat area are they in, and what is their circuit number and/or name?

**RESPONSE 2:**

SDG&E did not begin tracking conductor age data consistently until around 1978. However, an approximation of system age can be gathered by structure age data. The following table shows structure data within the HFTD.

<b>HFTD</b>	<b>OH Structure Type</b>	<b>Estimated Age Range</b>	<b>Count (Poles)</b>
Tier-2	Distribution	<50	6,186
Tier-2	Distribution	>80	32
Tier-2	Distribution	50 <= AGE <= 80	2,995
Tier-2	Transmission	<50	958
Tier-2	Transmission	>80	5
Tier-2	Transmission	50 <= AGE <= 80	214
Tier-3	Distribution	<50	12,724
Tier-3	Distribution	>80	53
Tier-3	Distribution	50 <= AGE <= 80	3,580
Tier-3	Distribution		17
Tier-3	Transmission	<50	926
Tier-3	Transmission	>80	2
Tier-3	Transmission	50 <= AGE <= 80	302
		Grand Count	28,535

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**QUESTION 3:**

How many circuit miles do you currently have of small conductor (#6) in your distribution system located within the designated areas of the Commission's High Fire-Threat Map? If you have small conductor located within the three designated areas (Zone 1, Tier 2, Tier 3) of the map, how many circuit miles do you have in each of the three areas and where are these circuits located?

**RESPONSE 3:**

Please see the following table:

Circuit miles of small conductors (#6) in distribution system located in HFTD (Tier-2, Tier-3)			
	Tier-2	Tier-3	Total
	(Miles)	(Miles)	(Miles)
OH Primary #6	388.5	249.6	638.1
OH Secondary #6	57.9	25	82.9
Total	446.4	274.6	721

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**QUESTION 4:**

Please provide copies of all transmission line maps and all distribution circuit maps of facilities located within the boundaries of the Commission's High Fire-Threat Map including the three designated areas (Zone 1, Tier 2, Tier 3) or a link that provides access to these maps.

**RESPONSE 4:**

Please see the attached file: "OSA-SDG&E-01 Q4 Attachments.zip." The transmission line map attachment contains confidential information provided pursuant to Cal. Pub. Util. Code § 583, General Order 66-D, and Commission Decision (D.) 17-09-023.