

Southern California Edison
***WSD-001 – Resolution WSD-001 to Establish Procedures for the Wildfire Safety Division's
Review of 2020 Wildfire Mitigation Plans Pursuant to PUC Sections 8386 and 8386.3***

DATA REQUEST SET W S D - S C E - 0 0 2

To: WSD
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Received Date: 3/5/2020

Response Date: 3/10/2020

Question 077 (SCE-43895-I-392):

A. Item Index [For CPUC tracking purposes. Please reference this item index with the response provided.]

SCE-43895-I-392

B. Request Type

Request for additional specificity or clarification regarding information submitted in WMP or maturity survey

C. Relevant section of WMP (if applicable)

5.3.5

D. Relevant question in Maturity Survey (if applicable)

NA

E. Relevant meeting or call (if applicable)

NA

F. Specific Data request

In section 5.3.5.6, SCE states that its “TVMP and DVMP are developed to meet and often exceed the regulation requirements.” Describe all ways in which the two exceed regulation requirements

Response to Question 077 (SCE-43895-I-392):

Please refer to the tables in the TVMP and DVMP shown below and also provided as part of SCE’s response to Question 52 (SCE-43895-I-367).

RCD is the Regulatory Clearance Distance required by regulation. SCE has implemented an internal standard of Compliance Clearance Distance (CCD) and Grid Resiliency Clearance Distance (GRCD), when achievable, which both exceed the RCD. GRCD aligns with GO 95 Rule 35 Appendix E expanded clearance recommendations.

TVMP Tables 1 & 2

All Elevations in Fire Areas					
FAC-003-4, PRC 4293 and GO 95, Rule 35, Extreme and Very High Fire Areas (Case 14)					
Nominal Voltage ¹¹	Wire Zone/Sag - Clearance Distance at Time of Maintenance GRCD-A ¹²	Border Zone/Sway - Clearance Distance at Time of Maintenance GRCD-B ¹³	WZ / BZ Clearance Distance that Triggers Work TCD	WZ / BZ Clearance Distance to be Maintained for Compliance CCD	Regulation Clearance Distance RCD
500kV	30'	Clear to the greater of the following: (1) Defined ROW Boundaries <u>or</u> (2) Maximum Blowout plus 30'	18'	15'	10.0'
230kV	30'		18'	15'	10.0'
161kV	30'		18'	15'	10.0'
115kV	30'		18'	15'	10.0'
69kV	12'	Clear to the greater of the following: (1) Defined ROW Boundaries <u>or</u> (2) Maximum Blowout plus 12'	9'	6'	4.0'

Table 1: Clearance Distance –Fire Areas, FAC-003-4, PRC 4293, Rule 35 (Case 14)

Non-Fire Areas -Based on Elevations up to 8000' in					
FAC-003-4 and GO95 Rule 35 (Case 13)					
Nominal Voltage ¹⁴	Wire Zone/Sag - Clearance Distance at Time of Maintenance GRCD-A ^{15 16 17}	Border Zone/Sway - Clearance Distance at Time of Maintenance GRCD-B ¹⁸	WZ / BZ Clearance Distance that Triggers Work TCD	WZ / BZ Clearance Distance to be Maintained for Compliance CCD	Regulation Clearance Distance RCD
500kV	30'	Clear to the greater of the following: (1) Defined ROW Boundaries <u>or</u> (2) Maximum Blowout plus 30'	18'	15'	9.6'
230kV	30'		10'	7'	4.7'
161kV	10'	Clear to the greater of the following: (1) Defined ROW Boundaries <u>or</u> (2) Maximum Blowout plus 10'	8'	5'	3.2'
115kV	10'		7'	4'	2.2'
69kV	6'	Clear to the greater of the following: (1) Defined ROW Boundaries <u>or</u> (2) Maximum Blowout plus 6'	n/a	3'	1.5'

Table 2: Clearance Distances – Non-Fire Areas, FAC-003-4 and GO95 Rule 35 (Case 13)

DVMP Tables 1 & 2

Fire Areas						
PRC 4293 and GO 95, Rule 35, Extreme and Very High Fire Areas (Case 14)						
Nominal Voltage	Grow-in Zone Clearance Distance at Time of Maintenance GRCD-A	Blow-in Zone Clearance Distance at Time of Maintenance GRCD-B	Grow-in & Blow-in Zones Clearance Distance that Triggers Work TCD	Grow-in & Blow-in Zones Clearance Distance to be Maintained for Compliance CCD	Drop-in Zone	Regulation Clearance Distance RCD
2.4 - 69kV	12 ¹⁵	12'	9'	6'	Clear of all Vegetation where Practical	4.0'
2.4 – 12kV Aerial Cable	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion
≤ 750 volts Open Wire, Aerial and Bundled	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion

Table 1: Clearance Distances – Fire Areas

Non-Fire Areas						
GO 95, Rule 35 (Case 13)						
Nominal Voltage	Grow-in Zone Clearance Distance at Time of Maintenance GRCD-A	Blow-in Zone Clearance Distance at Time of Maintenance GRCD-B	All Zones Clearance Distance that Triggers Work TCD	All Zones Clearance Distance to be Maintained for Compliance CCD	Drop-in Zone	Regulation Clearance Distance RCD
2.4 - 69kV	6 ⁶⁷	6'	n/a	3'	Clear of all Vegetation where Practical	1.5'
2.4 – 12kV Aerial Cable	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion
≤ 750 volts Open Wire, Aerial and Bundled	4'	4'	Strain or abrasion	n/a	n/a	No strain or abrasion

Table 2: Clearance Distances – Non-Fire Areas