

70kV Single Circuit Inputs for Magnetic Field Software Calculation

SCE Fields Magnetic Field Software Modeling

Table 1 - Input Parameters

SCE Fields Magnetic Field Software Modeling		
Input Parameter		
Soil Resistivity	100	ohm-meter
Height for Field Calculation	3	feet
Step Size	5	feet
Max Horiz Dist from Reference	200	feet
Number of Phases	3	
Left Coordinate	30	feet
Right Coordinate	30	feet

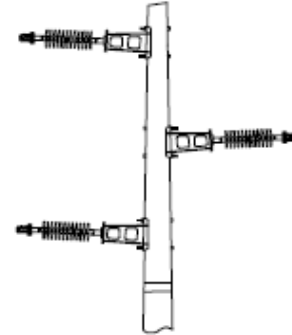


Table 2 – Conductor Data

Structure Configuration: Tubular Steel Pole 3HPD, PG&E CDS 051742 Tubular Steel Poles, PG&E Framing Dwg 3106492

Midspan Height (lowest conductor) = 29 feet, Current = 975 amps

Conductor Position: x = vertical, y = horizontal; the circuit is composed of three conductors, labeled A1, B1, C1 for Circuit #1.

Base Case

A1					
x	y				
-4.90	37.50				
		C1			
		x	y		
B1		4.90	33.25		
x	y				
-4.90	29.00				

Raise 10 feet

A1					
x	y				
-4.90	47.50				
		C1			
		x	y		
B1		4.90	43.25		
x	y				
-4.90	39.00				

Phase Conductor Data		
Phase ID		Phase Angle (Deg)
No.	Ckt	
1	A1	0
2	B1	120
3	C1	240