$F_{\rm v}$ = Site coefficient defined in Table 1613.5.3(2).

 S_S = The mapped spectral accelerations for short periods as determined in Section 1613.5.1.

 S_1 = The mapped spectral accelerations for a 1-second period as determined in Section 1613.5.1.

TABLE 1613.5.3(1) VALUES OF SITE COEFFICIENT F_a ^a

SITE	MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD					
CLASS	$S_{\rm s} \leq 0.25$	$S_{\rm s} = 0.50$	$S_s = 0.75$	$S_s = 1.00$	$S_{\rm s} \ge 1.25$	
A	0.8	0.8	0.8	0.8	0.8	
В	1.0	1.0	1.0	1.0	1.0	
С	1.2	1.2	1.1	1.0	1.0	
D	1.6	1.4	1.2	1.1	1.0	
Е	2.5	1.7	1.2	0.9	0.9	
F	Note b	Note b	Note b	Note b	Note b	

- a. Use straight-line interpolation for intermediate values of mapped spectral response acceleration at short period, S_s .
- b. Values shall be determined in accordance with Section 11.4.7 of ASCE 7.

TABLE 1613.5.3(2) VALUES OF SITE COEFFICIENT $F_{\rm V}$ ^a

SITE	MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD					
CLASS	$S_1 \le 0.1$	$S_1 = 0.2$	$S_1 = 0.3$	$S_1 = 0.4$	$S_1 \ge 0.5$	
A	0.8	0.8	0.8	0.8	0.8	
В	1.0	1.0	1.0	1.0	1.0	
С	1.7	1.6	1.5	1.4	1.3	
D	2.4	2.0	1.8	1.6	1.5	
Е	3.5	3.2	2.8	2.4	2.4	
F	Note b	Note b	Note b	Note b	Note b	

- a. Use straight-line interpolation for intermediate values of mapped spectral response acceleration at 1-second period, S_1 .
- b. Values shall be determined in accordance with Section 11.4.7 of ASCE 7.

1613.5.4 Design spectral response acceleration parameters. Five-percent damped design spectral response acceleration at short periods, S_{DS} , and at 1-second period, S_{D1} , shall be determined from Equations 16-38 and 16-39, respectively:

$$S_{DS} = \frac{2}{3} S_{MS}$$
 (Equation 16-38)

$$S_{D1} = \frac{2}{3} S_{M1}$$
 (Equation 16-39)