

Table 1: Possible configurations for proposed Grand Coulee – Bell 500-kV transmission-line corridor. (2 pages)

Configuration	Location	Description of other lines in corridor with proposed Grand Coulee – Bell 500-kV line (north to south)	Miles (length)
1	Just south of Grand Coulee (GC) Substation. Includes area on plateau north of City of Grand Coulee and area across valley west of City of Grand Coulee.	Proposed line single-circuit GC – Hanford 500-kV	2.5
2	South of GC Substation going southeast from GC – Hanford ROW to GC – Bell #1/#2 right-of-way (ROW) at Tower 3/8. Includes area on plateau south of City of Grand Coulee.	Proposed line single-circuit only	.70
3	Single-circuit alternative from point east of GC Substation where proposed line joins GC – Bell #1/#2 ROW (Tower 3/8) on plateau south of City of Grand Coulee to where Avista lines enter ROW (Tower 78/6) at a point 600 feet west of Indian Trail Road. (Excludes mile 73 with Configuration 4)	GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed line single-circuit GC Bell #2 115-kV	73.2
4	Double-circuit adjacent to escarpment in Mile 73 of GC – Bell #1/#2 ROW (Towers 72/7-73/5). Includes cliff area adjacent to Coulee-Hite Road just west of Springhill Substation.	Westside - GC /GC – Bell #3 double-circuit 230-kV, Proposed line double-circuit with GC - Bell #2 115-kV	.68
5	Double-circuit alternative to eastern portion of Configuration 3 from GC – Bell #1/#2 Tower 75/1 about 0.25 mile west of Riverside State Park to Tower 78/6 about 600 feet west of Indian Trail Road. Includes Spokane River crossing in Mile 77.	GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed double-circuit configuration with phases tied together. GC - Bell #2 115-kV	4.9
6	Single-circuit alternative from 600 feet west of Indian Trail Road (GC – Bell #1/#2 Tower 78/6) to about 0.5 mile west of Waikiki Road (Tower 81/7) where Avista lines cross ROW.	Beacon – Francis &Cedar 115-kV (Avista) Bell – Waikiki 115-kV (Avista) GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed line single-circuit GC - Bell #2 115-kV	3.1

Table 1, continued

Configura-tion	Location	Description of other lines in corridor with proposed Grand Coulee – Bell 500-kV line (north to south)	Miles (length)
7	Double-circuit alternative to Configuration 6 from 600 feet of Indian Trail Road (GC – Bell #1/#2 Tower 78/6) to about 0.5 mile west of Waikiki Road (Tower 81/7) where Avista lines cross ROW.	Beacon – Francis &Cedar 115-kV (Avista) Bell – Waikiki 115-kV (Avista) GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed double-circuit configuration with phases tied together. GC - Bell #2 115-kV	3.1
8	Single-circuit alternative from about 0.5 miles west of Waikiki Road (Tower 81/7) to about 0.25 miles east of U.S. Highway 395 (Tower 83/1). This section is adjacent to Whitworth College and residential areas. Avista lines on the south edge of the ROW.	GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed line single-circuit GC - Bell #2 115-kV Beacon – Francis &Cedar 115-kV (Avista) Bell – Waikiki 115-kV (Avista)	1.45
9	Double-circuit alternative to Configuration 8 from about 0.5 miles west of Waikiki Road to about 0.25 miles east of U.S. Highway 395.	GC – Bell #5 230-kV, Westside – GC /GC – Bell #3 double-circuit 230-kV, Proposed double-circuit configuration with phases tied together. GC - Bell #2 115-kV Beacon – Francis &Cedar 115-kV (Avista) Bell – Waikiki 115-kV (Avista)	1.45
10	Double-circuit from about 0.25 miles east of U.S. Highway 395 (Tower 83/1) to about 0.25 miles east of U.S. Highway 2 (Tower 83/6). This segment crosses the Hico Village Northpointe facility.	GC – Bell #2 115-kV, Proposed double-circuit configuration with phases tied together. Beacon – Francis &Cedar 115-kV (Avista) Bell – Waikiki 115-kV (Avista)	0.6

Table 2: Physical and electrical characteristics of lines in corridor for the proposed Grand Coulee – Bell 500-kV transmission-line corridor. See Table 1 for descriptions of corridors and Figure 1 for physical layout of configurations. (3 pages)

	Proposed Line in Corridor			
Line Description	Grand Coulee – Bell 500-kV Single-circuit	Grand Coulee – Bell 500-kV Double-circuit	Grand Coulee – Bell 500-kV/Bell-Grand Coulee #2 115-kV Double-circuit	
Configurations	1, 2, 3, 6, 8	5, 7, 9	10	4
Voltage, kV	550/540	550/540	550/540	121/118
Maximum/Average¹				
Peak current, A	- /1800	- /900 per bundle	- /1800	380/260
Existing/Proposed				
Electric phasing (north -- south)	B C A	C A B B A C	C A B B A C	
Clearance, ft.	35/45	35/45	35/45	
Minimum/Average¹				
Tower configuration	Delta	Vertical DC	Vertical DC	
Phase spacing, ft.²	48H, 34.5V	36.5/56.5H, 36V	36.5/56.5H, 36V	
Conductor: #/diameter, in.; spacing, in.	3/1.300; 17.04	3/1.602; 19.75	3/1.300; 17.04	3/1.300; 17.04 1/1.300

¹ Average voltage and average clearance used for corona calculations.

² H = horizontal feet; V = vertical feet

Table 2, continued

Existing Lines in Corridor				
Line Description	Grand Coulee – Hanford 500-kV	Bell – Grand Coulee #5 230-kV	Bell – Grand Coulee #3/ Bell – Westside – Grand Coulee 230-kV Double-circuit	Bell – Grand Coulee #1 115-kV
Configurations	1	3, 5, 6, 7, 8, 9	3, 4, 5, 6, 7, 8, 9	3, 4, 5, 6, 7, 8, 9, 10
Voltage, kV Maximum/Average¹	550/540	242/237	242/237	121/118
Peak current, A Existing/Proposed	-1990/-1840	840/520	870/540	830/510
Electric phasing (north – south)	B C A	A B C	A A C B B C	A B C
Clearance, ft. Minimum/Average¹	33/43	30/40	30/40	25/35
Tower configuration	Delta	Horizontal	Vertical DC	Horizontal
Phase spacing, ft.²	40H, 27.5V	27H	38/31H, 20.25V	12H
Conductor: #/diameter, in.; spacing, in.	3/1.302; 17.04	1/1.382	1/1.345	1/0.679

Average voltage and average clearance used for corona calculations.

² H = horizontal feet; V = vertical feet

Table 2, continued

	Existing Lines in Corridor		
Line Description	Bell – Grand Coulee #2 115-kV	Beacon-Francis – Cedar 115-kV (Avista)	Bell – Waikiki 115-kV (Avista)
Configurations	3, 4, 5, 6, 7, 8, 9, 10	6, 7, 8, 9, 10	6, 7, 8, 9, 10
Voltage, kV Maximum/Average¹	121/118	121/118	121/118
Peak current, A Existing/Proposed	380/260	120/120	170/170
Electric phasing (north – south)	A B C	A B C	A B C
Clearance, ft. Minimum/Average¹	25/35	25/35	25/35
Tower configuration	Horizontal	Horizontal	Horizontal
Phase spacing, ft.²	12H	10H	10H
Conductor: #/diameter, in.; spacing, in.	1/0.679	1/0.574	1/0.574

¹ Average voltage and average clearance used for corona calculations.

² H = horizontal feet; V = vertical feet

Table 3: **Calculated peak and edge-of-right-of-way electric fields for the proposed Grand Coulee – Bell 500-kV line operated at maximum voltage by configuration.** Configurations are described in Tables 1 and 2 and shown in Figure 1. (2 pages)

a) Peak electric field on right-of-way, kV/m

Location	Proposed Corridor		Existing Corridor	
	Minimum	Average	Minimum	Average
Configuration 1	8.9	5.8	8.9	5.7
Configuration 2	8.6	5.8	-	-
Configuration 3	8.9	6.0	3.4	2.1
Configuration 4	8.6	5.7	2.9	1.9
Configuration 5	7.7	4.8	3.4	2.1
Configuration 6	8.9	5.9	3.3	2.1
Configuration 7	7.7	4.8	3.3	2.1
Configuration 8	8.9	5.9	3.4	2.1
Configuration 9	7.7	4.8	3.4	2.1
Configuration 10	7.4	4.7	1.4	0.8

Table 3, continued

b) Edge-of-right-of-way electric field, kV/m

Location	Proposed Line¹		Existing Corridor¹	
Line Clearance	Minimum	Average	Minimum	Average
Configuration 1	2.5, 2.1	2.5, 2.1	2.0, 2.0	2.0, 2.0
Configuration 2	2.5, 2.5	2.4, 2.4	-	-
Configuration 3	1.4, 0.2	1.3, 0.1	1.5, 0.4	1.3, 0.4
Configuration 4	0.1, 0.2	0.1, 0.2	0.1, 0.3	0.1, 0.3
Configuration 5	1.4, 0.2	1.3, 0.3	1.5, 0.4	1.3, 0.4
Configuration 6	0.1, 0.2	0.1, 0.1	0.1, 0.4	0.1, 0.4
Configuration 7	0.1, 0.2	0.1, 0.3	0.1, 0.4	0.1, 0.4
Configuration 8	1.4, 0.3	1.3, 0.3	1.5, 0.3	1.3, 0.3
Configuration 9	1.4, 0.3	1.3, 0.3	1.5, 0.3	1.3, 0.3
Configuration 10	0.1, 0.3	0.1, 0.3	0.1, 0.4	0.2, 0.4

¹ Electric field at east edge of right-of-way is given first for Configuration 1 and at north edge for Configurations 2 – 10.

Table 4: **Calculated peak and edge-of-right-of-way magnetic fields for the proposed Grand Coulee – Bell 500-kV line operated at maximum current by configuration.** Configurations are described in Tables 1 and 2. (2 pages)

a) Peak magnetic field on right-of-way, mG

Location	Proposed Corridor		Existing Corridor	
	Minimum	Average	Minimum	Average
Configuration 1	333	223	339	221
Configuration 2	300	205	-	-
Configuration 3	325	229	198	138
Configuration 4	231	155	116	75
Configuration 5	121	84	199	138
Configuration 6	325	229	196	136
Configuration 7	119	82	196	136
Configuration 8	325	229	198	137
Configuration 9	121	83	198	137
Configuration 10	222	151	77	43

Table 4, continued

b) Edge-of-right-of-way magnetic field, mG

Location	Proposed Corridor ¹		Existing Corridor ¹	
Line Clearance	Minimum	Average	Minimum	Average
Configuration 1	77, 62	67, 55	76, 76	67, 67
Configuration 2	83, 83	72, 72	-	-
Configuration 3	37, 19	32, 19	68, 23	59, 19
Configuration 4	3, 31	3, 29	4, 22	4, 18
Configuration 5	41, 19	35, 15	68, 23	59, 19
Configuration 6	3, 19	3, 19	7, 23	6, 19
Configuration 7	5, 19	5, 16	7, 23	6, 19
Configuration 8	37, 5	32, 5	68, 9	59, 8
Configuration 9	41, 8	35, 7	68, 9	59, 8
Configuration 10	16, 10	16, 8	11, 9	10, 7

¹ Magnetic field at east edge of right-of-way is given first for Configuration 1 and at north edge for Configurations 2 - 10.

Table 5: States with transmission-line field limits

STATE AGENCY	WITHIN RIGHT-OF- WAY	AT EDGE OF RIGHT-OF- WAY	COMMENTS
a. 60-Hz ELECTRIC-FIELD LIMIT, kV/m			
Florida Department of Environmental Regulation	8 (230 kV) 10 (500 kV)	2	Codified regulation, adopted after a public rulemaking hearing in 1989.
Minnesota Environmental Quality Board	8	—	12-kV/m limit on the high-voltage direct-current (HVDC) nominal electric field.
Montana Board of Natural Resources and Conservation	7 ¹	1 ²	Codified regulation, adopted after a public rulemaking hearing in 1984.
New Jersey Department of Environmental Protection	—	3	Used only as a guideline for evaluating complaints.
New York State Public Service Commission	11.8 (7,11) ¹	1.6	Explicitly implemented in terms of a specified right-of-way width.
Oregon Facility Siting Council	9	—	Codified regulation, adopted after a public rulemaking hearing in 1980.
b. 60-Hz MAGNETIC-FIELD LIMIT, mG			
Florida Department of Environmental Regulation	—	150 (230 kV) 200 (500 kV)	Codified regulations, adopted after a public rulemaking hearing in 1989.
New York State Public Service Commission	—	200	Adopted August 29, 1990.

¹ At road crossings

² Landowner may waive limit

Sources: TDHS Report, 1989; TDHS Report, 1990

Table 6: Common noise levels

Sound Level, dBA	Noise Source or Effect
128	Threshold of pain
108	Rock-and-roll band
80	Truck at 50 ft.
70	Gas lawnmower at 100 ft.
60	Normal conversation indoors
50	Moderate rainfall on foliage
49	Edge of proposed 500-kV right-of-way during rain (no parallel lines)
40	Refrigerator
25	Bedroom at night
0	Hearing threshold

Adapted from: USDOE, 1996.

Table 7: Typical sound attenuation (in decibels) provided by buildings

	Windows opened	Windows closed
Warm climate	12	24
Cold climate	17	24

Source: EPA, 1978.

Table 8: Predicted foul-weather audible noise (AN) levels at edge of right-of-way (ROW) for the proposed Grand Coulee – Bell 500-kV line. AN levels expressed in decibels on the A-weighted scale (dBA). L₅₀ and L₅ denote the levels exceeded 50 and 5 percent of the time, respectively. Configurations are described in Tables 1 and 2 and are shown in Figure 1.

Configuration ¹	Foul-weather AN			
	Proposed Corridor ¹		Existing Corridor ¹	
	L ₅₀ , dBA	L ₅ , dBA	L ₅₀ , dBA	L ₅ , dBA
1	50, 51	54, 55	50, 50	54, 54
2	49, 49	52, 52	-	-
3	45, 47	49, 51	42, 39	45, 42
4	44, 48	47, 52	37, 39	41, 43
5	47, 49	50, 52	42, 39	45, 42
6	42, 47	46, 51	38, 39	41, 42
7	44, 49	47, 52	38, 39	41, 42
8	46, 43	49, 47	42, 37	45, 41
9	47, 45	50, 49	42, 37	45, 41
10	51, 48	54, 52	27, 32	31, 36

¹ AN level at east edge of right-of-way is given first for Configuration 1 and at north edge for Configurations 2 - 10.

Table 9: Predicted fair-weather radio interference (RI) levels at 100 feet (30.5 m) from the outside conductor of the proposed Grand Coulee – Bell 500-kV line corridor. RI levels given in decibels above 1 microvolt/meter ($\text{dB}\mu\text{V}/\text{m}$) at 1.0 MHz. L_{50} denotes level exceeded 50 percent of the time. Configurations are described in Tables 1 and 2 and are shown in Figure 1.

Configuration	Fair-weather RI	
	Proposed Corridor ¹	Existing Corridor ¹
	L_{50} , $\text{dB}\mu\text{V}/\text{m}$	L_{50} , $\text{dB}\mu\text{V}/\text{m}$
1	37, 39	39, 39
2	38, 38	-
3	23, 30	23, 21
4	30 ² , 37	21 ² , 23
5	30, 34	23, 21
6	26 ² , 32	26 ² , 21
7	27 ² , 34	26 ² , 21
8	27, 25	23, 20
9	30, 27	23, 20
10	39, 34	13, 20

¹ RI level at 100 ft. from outside conductor at east edge of corridor is given first for Configuration 1 and at north edge for Configurations 2 - 10.

² RI value at edge of right-of-way because a point 100 ft. from the outside conductor is still on the right-of-way.

Table 10: Predicted maximum foul-weather television interference (TVI) levels at 100 feet (30.5 m) from the outside conductor of the proposed Grand Coulee – Bell 500-kV line corridor. TVI levels given in decibels above 1 microvolt/meter ($\text{dB}\mu\text{V}/\text{m}$) at 75 MHz. Configurations are described in detail in Tables 1 and 2 and are shown in Figure 1.

Configuration	Foul-weather TVI	
	Proposed Corridor ¹	Existing Corridor ¹
	Maximum (foul), $\text{dB}\mu\text{V}/\text{m}$	Maximum (foul), $\text{dB}\mu\text{V}/\text{m}$
1	24, 26	27, 27
2	25, 25	-
3	9, 14	11, 2
4	6 ² , 18	2 ² , 4
5	11, 14	11, 2
6	15 ² , 16	15 ² , 2
7	16 ² , 14	15 ² , 2
8	11, 8	11, 8
9	11, 8	11, 8
10	19, 8	2, 8

¹ TVI level at 100 ft. from outside conductor at east edge of corridor is given first for Configuration 1 and at north edge for Configurations 2 - 10.

² TVI value at edge of right-of-way because a point 100 ft. from the outside conductor is still on the right-of-way.

Figure 1: Configurations for the proposed Grand Coulee – Bell 500-kV line: a) Configuration 1; b) Configuration 2; c) Configuration 3; d) Configuration 4; e) Configuration 5; f) Configuration 6; g) Configuration 7; h) Configuration 8; i) Configuration 9; and j) Configuration 10. Configurations are described in Tables 1 and 2. (10 pages)

a) Configuration 1: Proposed line parallel to existing 500-kV line (not to scale)

Configuration 1

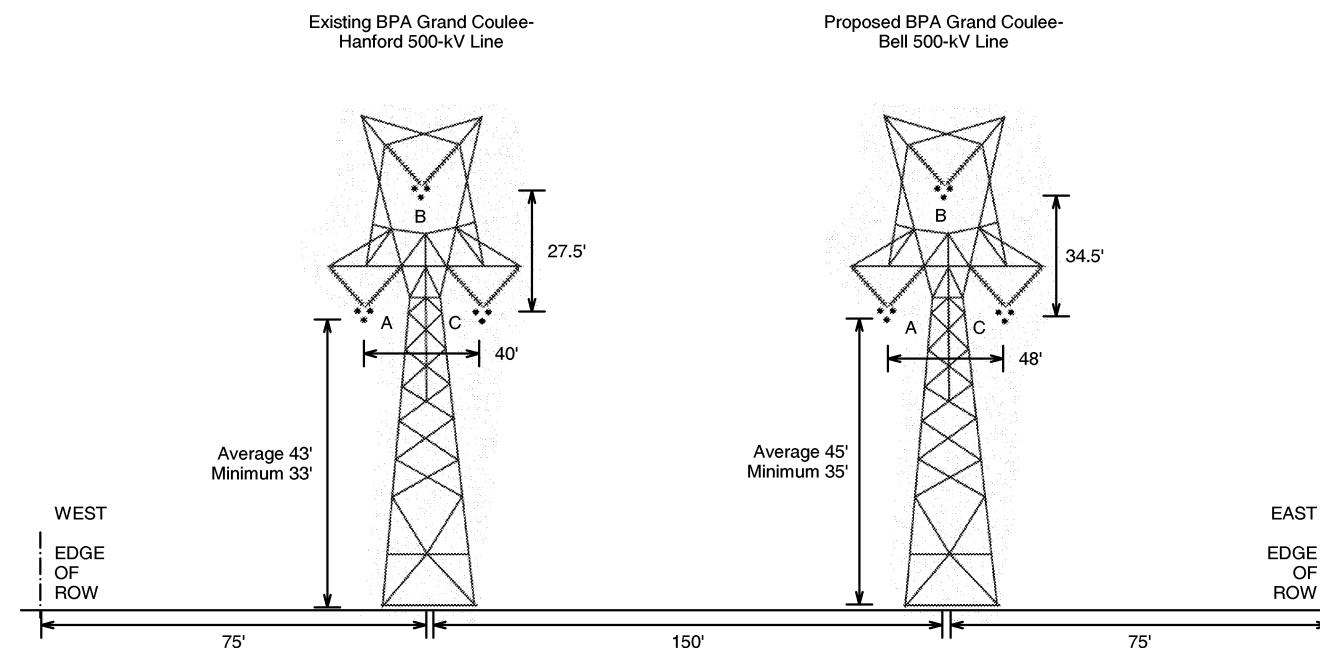


Figure 1, continued

- b) Configuration 2: Proposed line with no parallel lines. (not to scale)

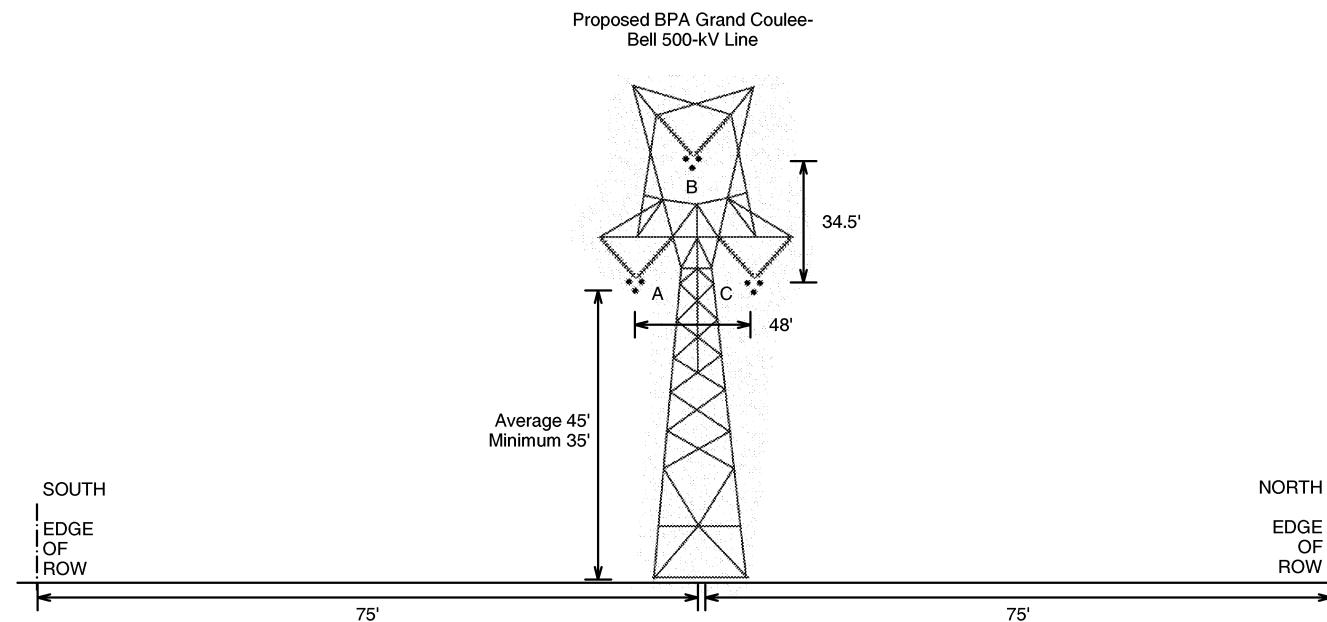


Figure 1, continued

- c) Configuration 3: Proposed line on single-circuit tower parallel to existing 230-kV and 115-kV lines. (not to scale)

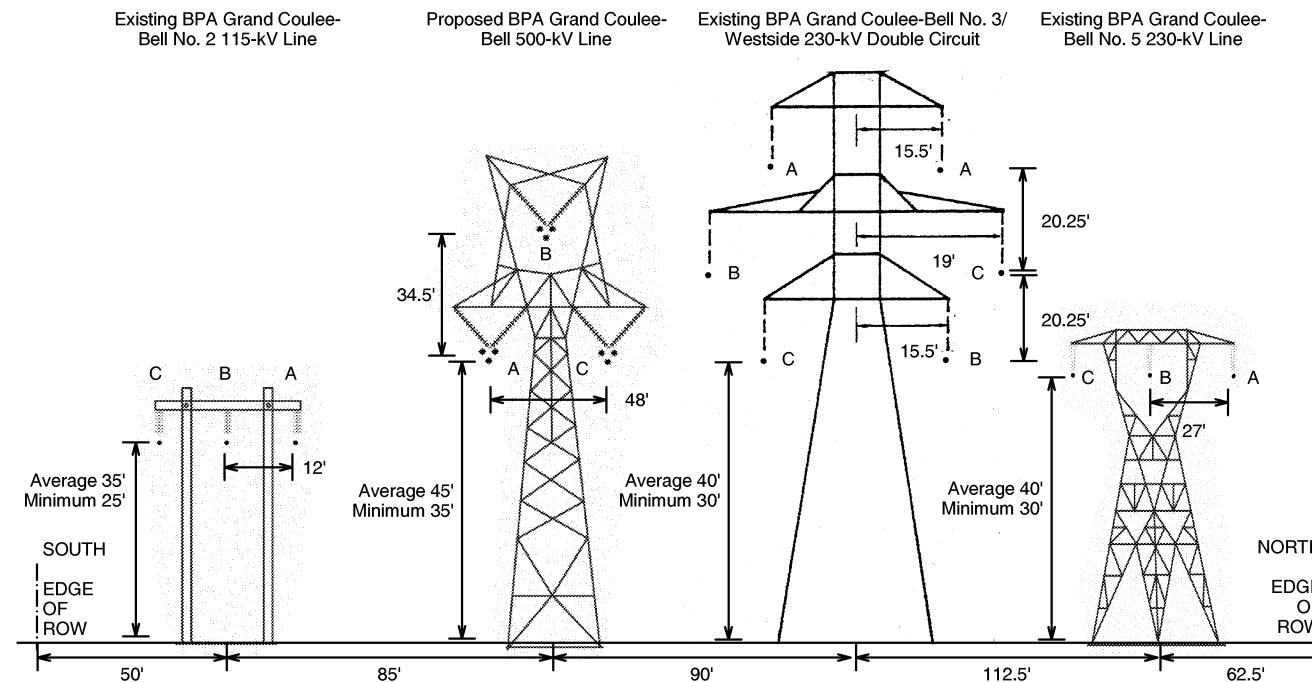


Figure 1, continued

- d) Configuration 4: Proposed line on double-circuit tower with 115-kV line and parallel to existing 230-kV lines. (not to scale)

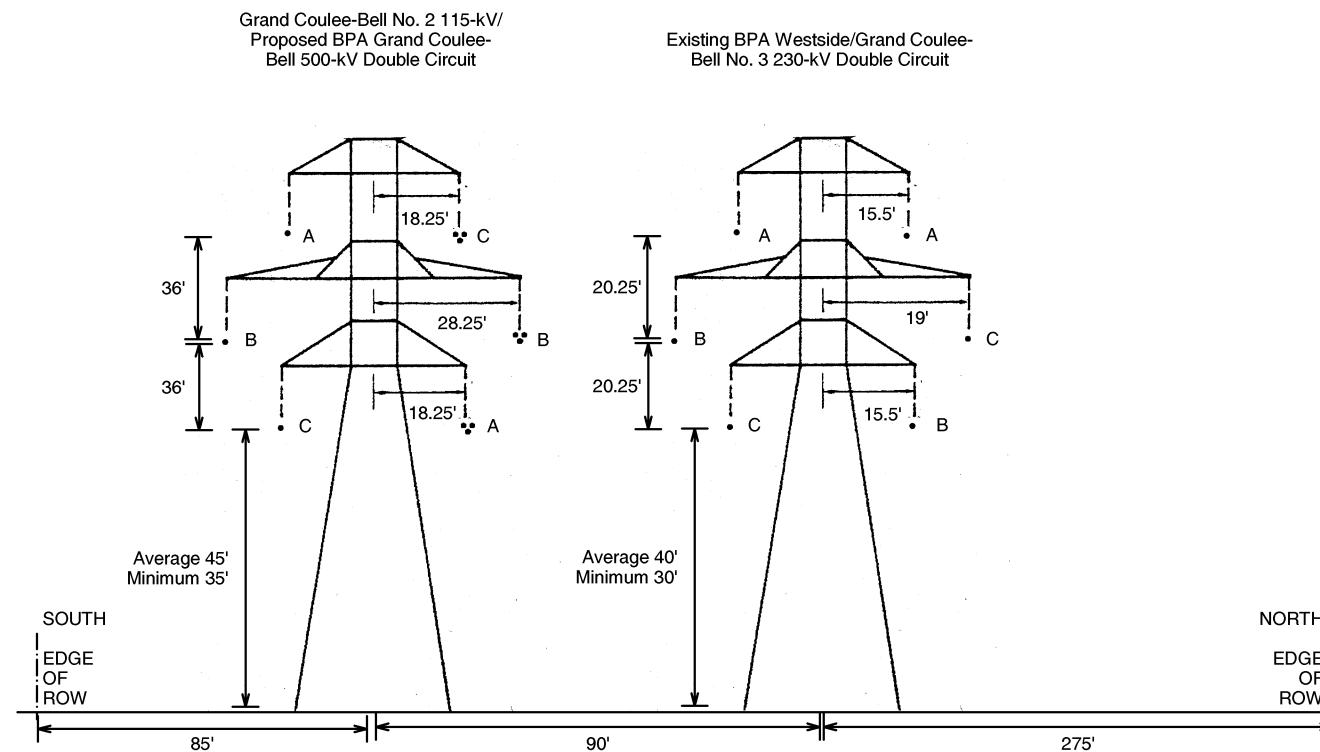


Figure 1, continued

- e) Configuration 5: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines. (not to scale)

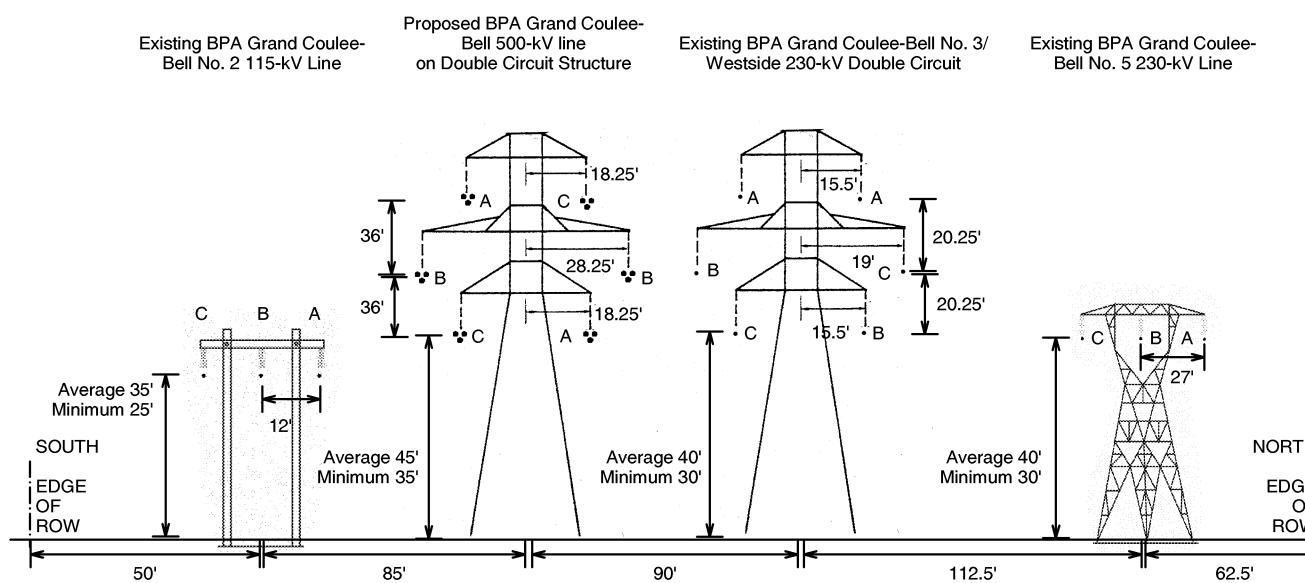


Figure 1, continued

- f) Configuration 6: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines. (not to scale)

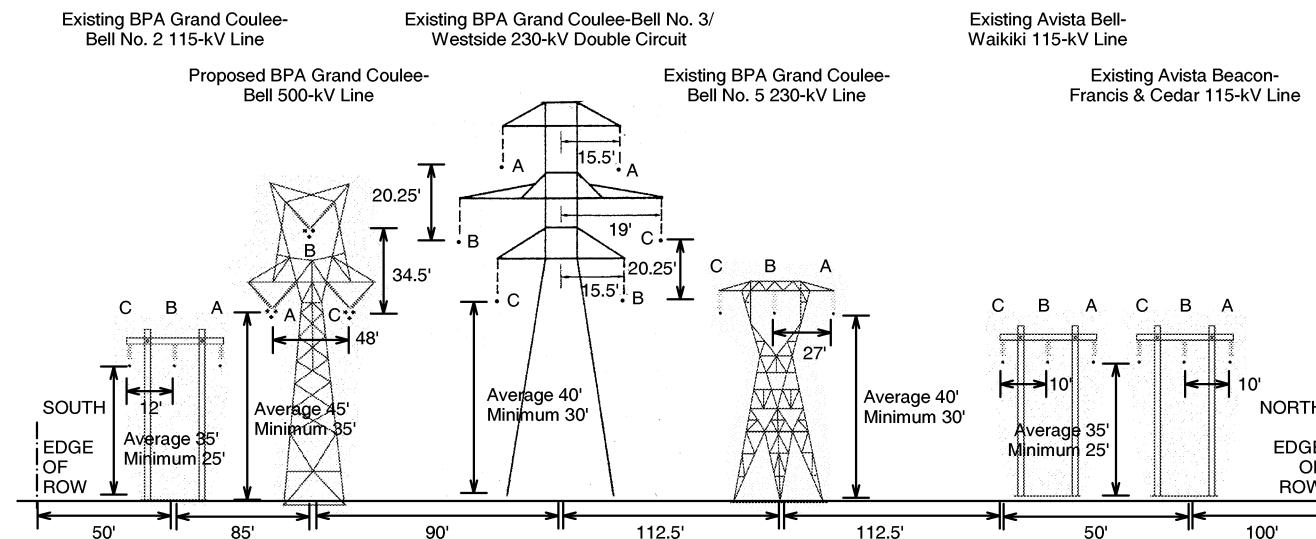


Figure 1, continued

g) Configuration 7: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines. (not to scale)

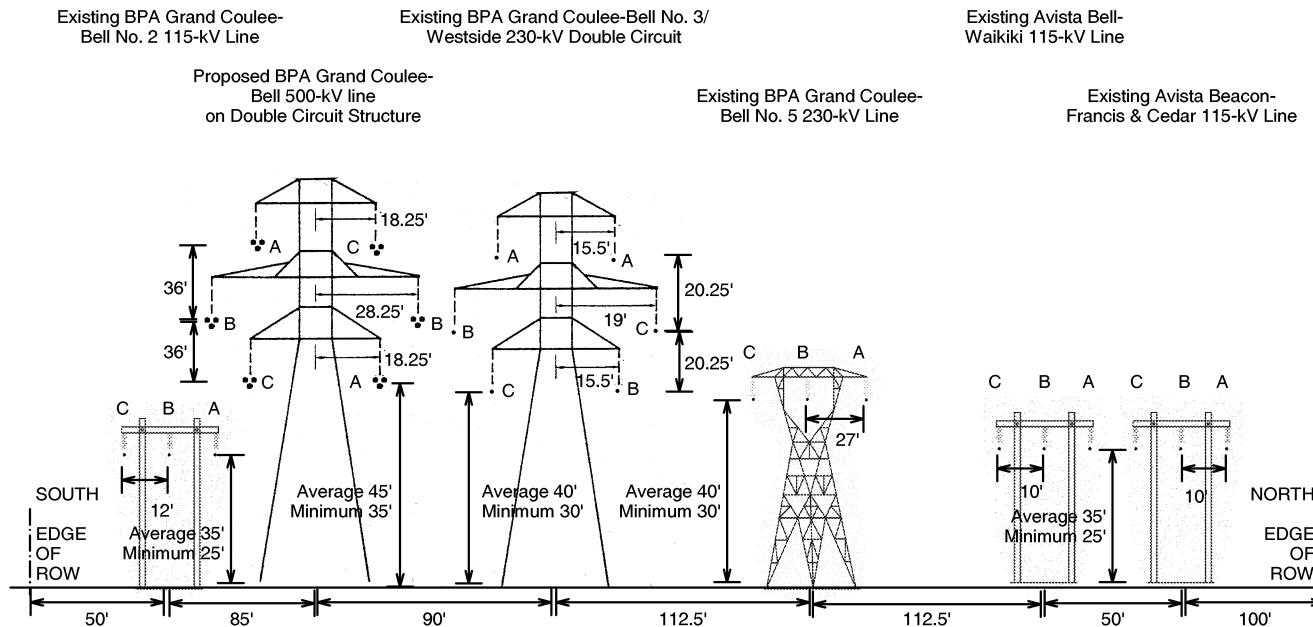


Figure 1, continued

- h) Configuration 8: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines. (not to scale)

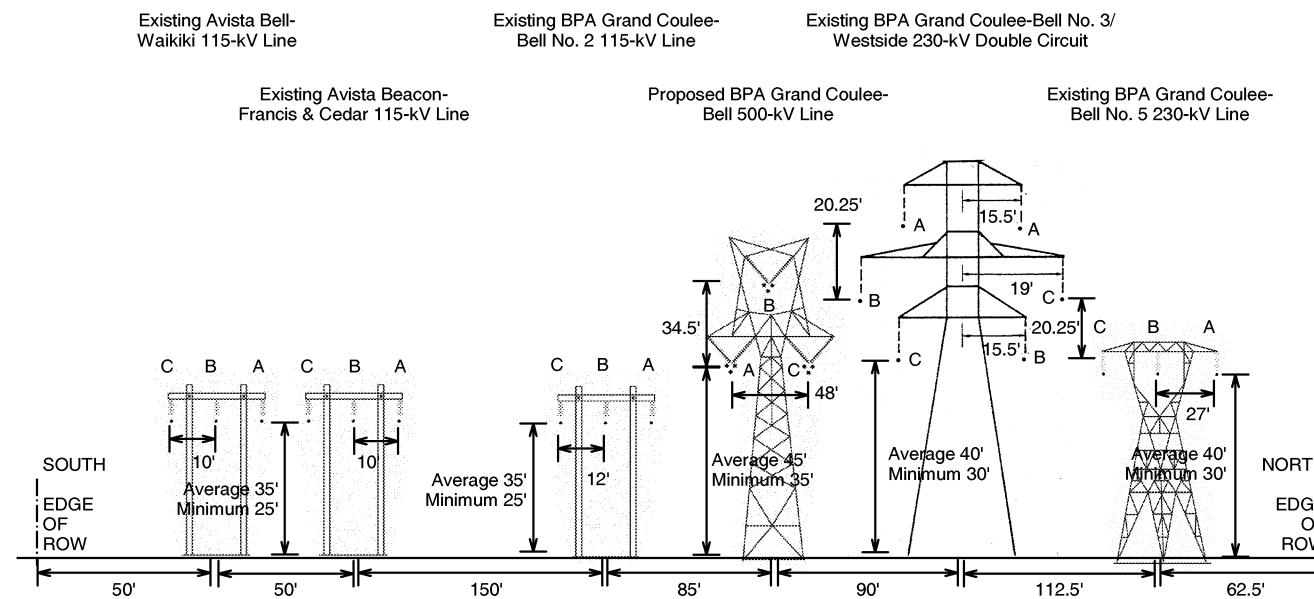


Figure 1, continued

- i) Configuration 9: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines. (not to scale)

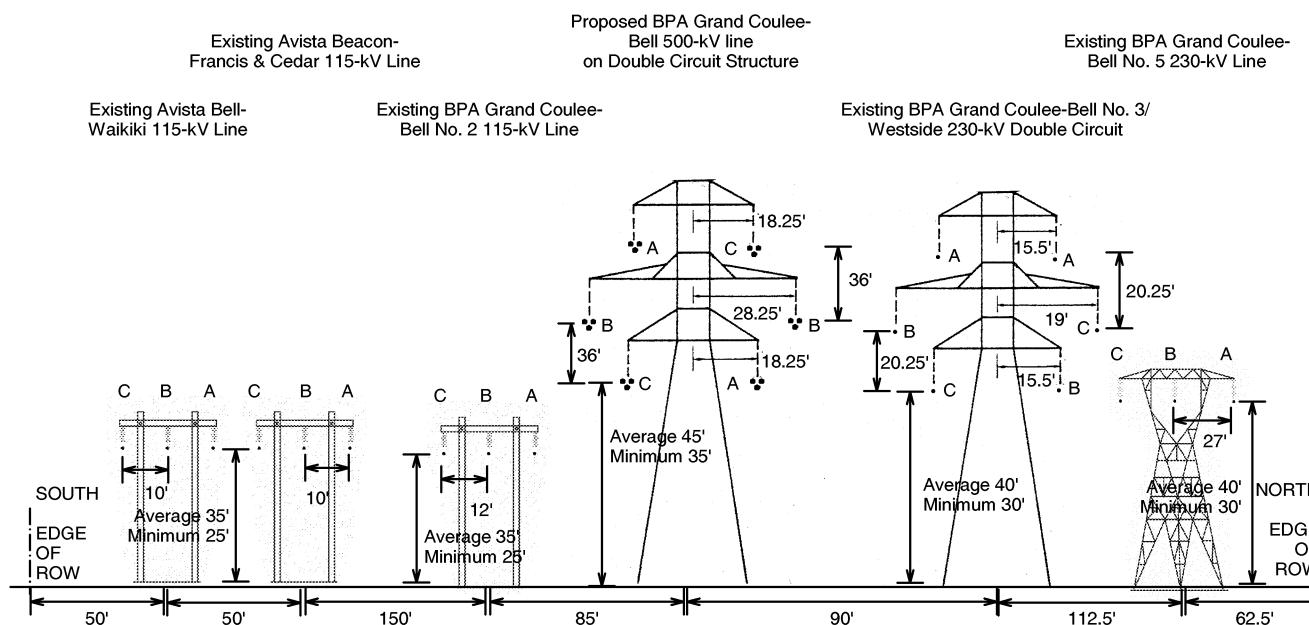


Figure 1, continued

- j) Configuration 10: Proposed line on double-circuit tower and parallel to existing 115-kV lines. (not to scale)

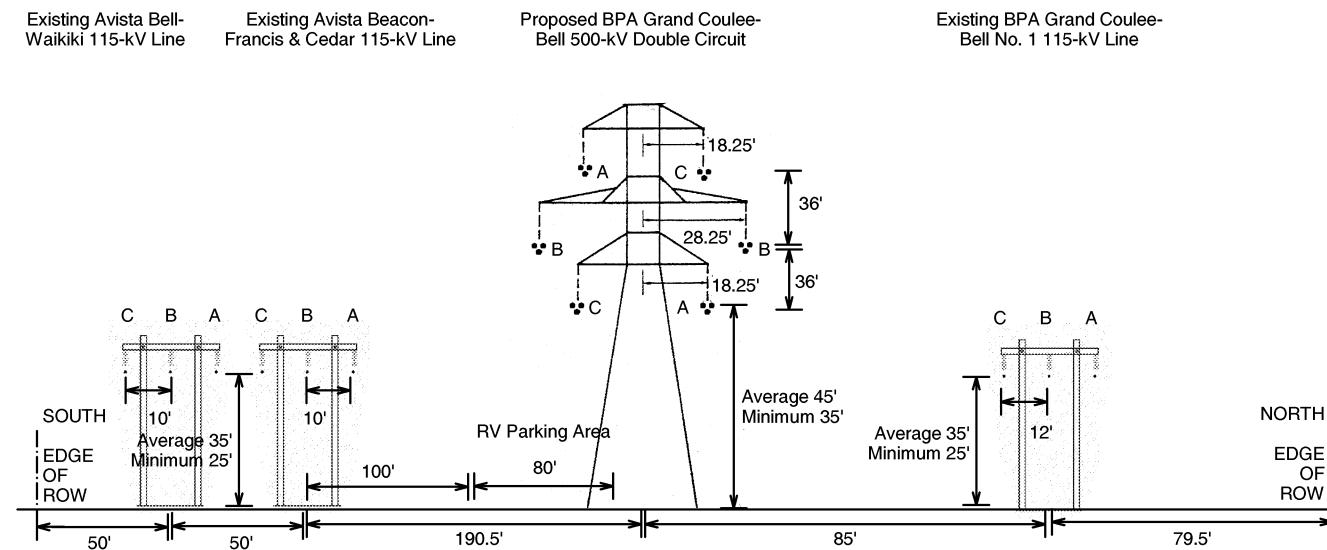
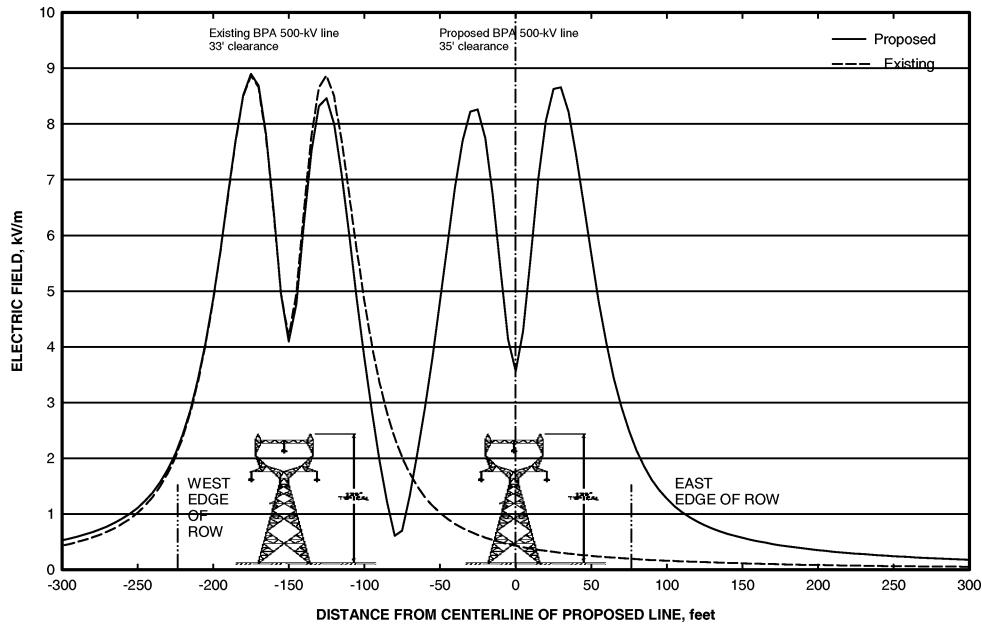


Figure 2: Electric-field profiles for configurations of the proposed Grand Coulee – Bell 500-kV line under maximum voltage conditions: a) Configuration 1; b) Configuration 2; c) Configuration 3; d) Configuration 4; e) Configuration 5; f) Configuration 6; g) Configuration 7; h) Configuration 8; i) Configuration 9; and j) Configuration 10. Configurations are described in Tables 1 and 2. (5 pages)

a) Configuration 1: Proposed line parallel to existing 500-kV line



b) Configuration 2: Proposed line with no parallel lines.

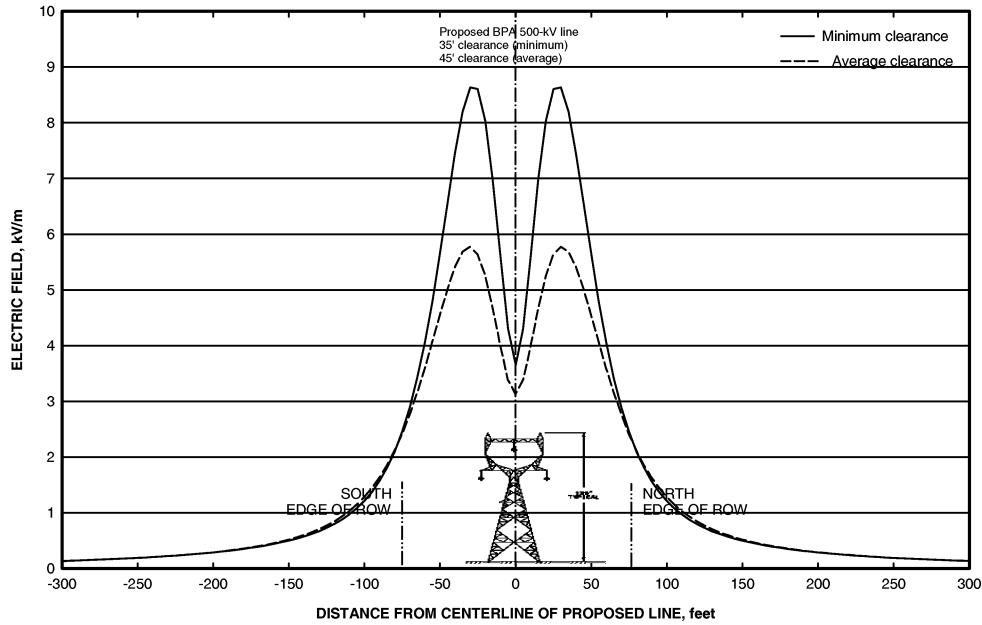
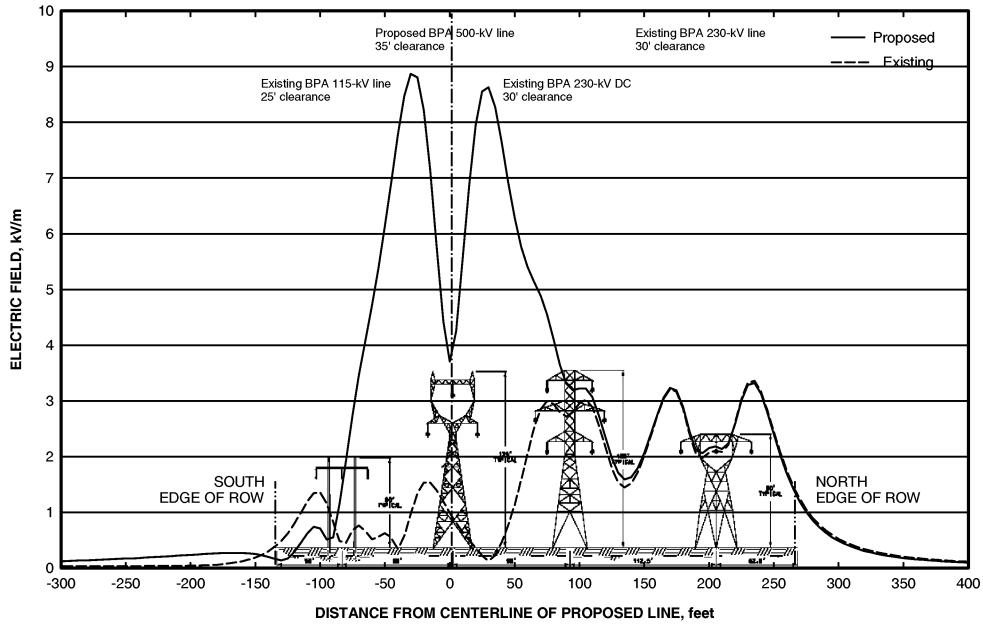


Figure 2, continued

- c) Configuration 3: Proposed line on single-circuit tower parallel to existing 230-kV and 115-kV lines



- d) Configuration 4: Proposed line on double-circuit tower with 115-kV line and parallel to existing 230-kV lines

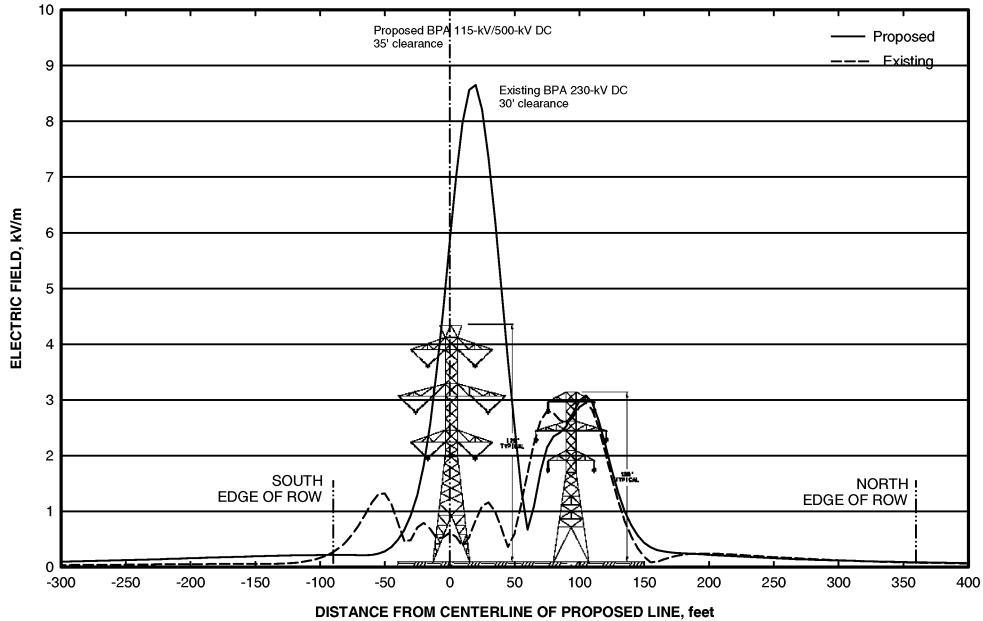
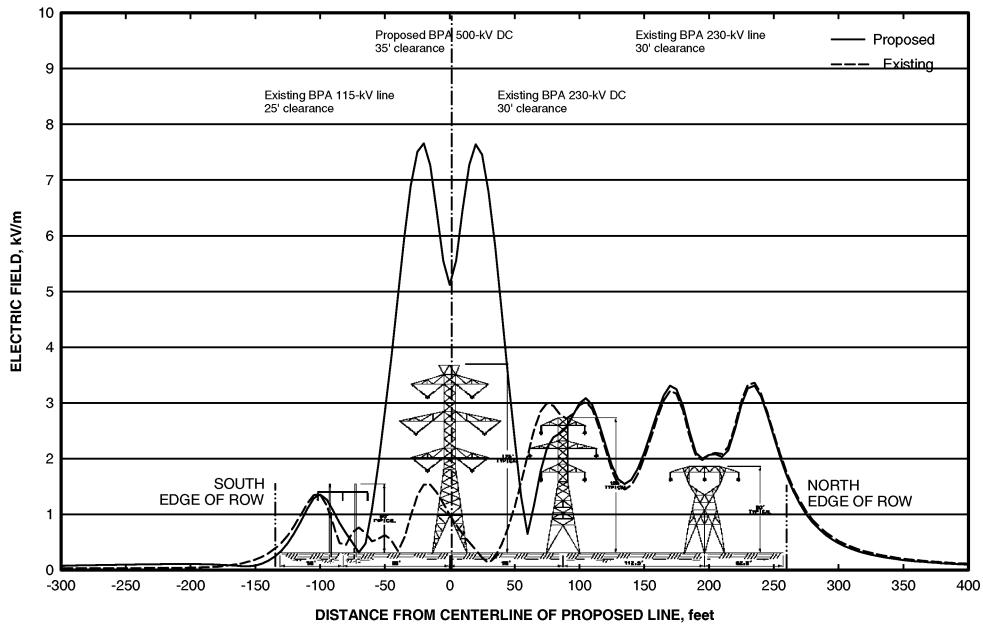


Figure 2, continued

- e) Configuration 5: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- f) Configuration 6: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

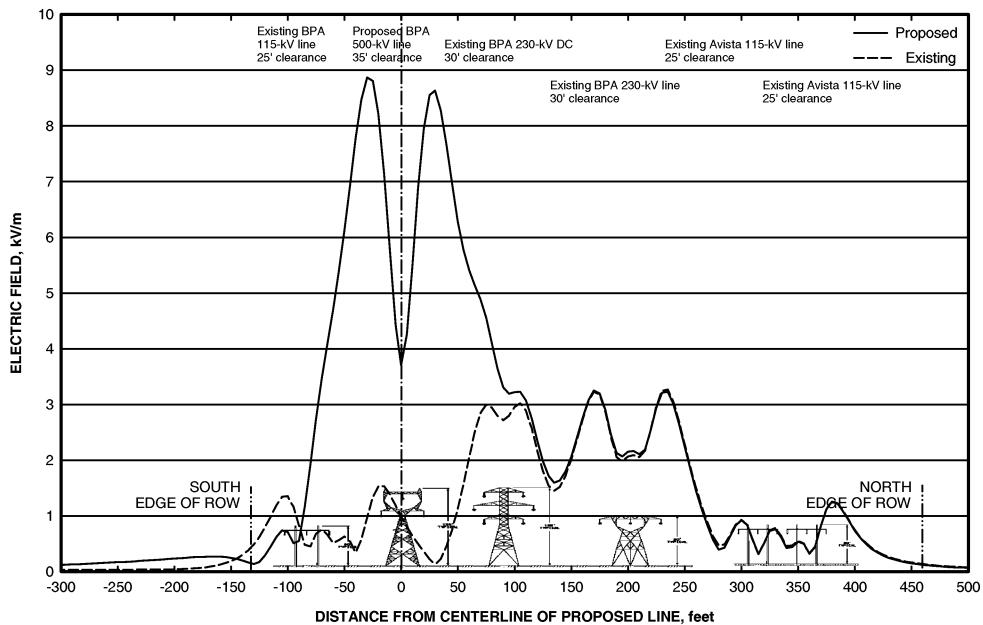
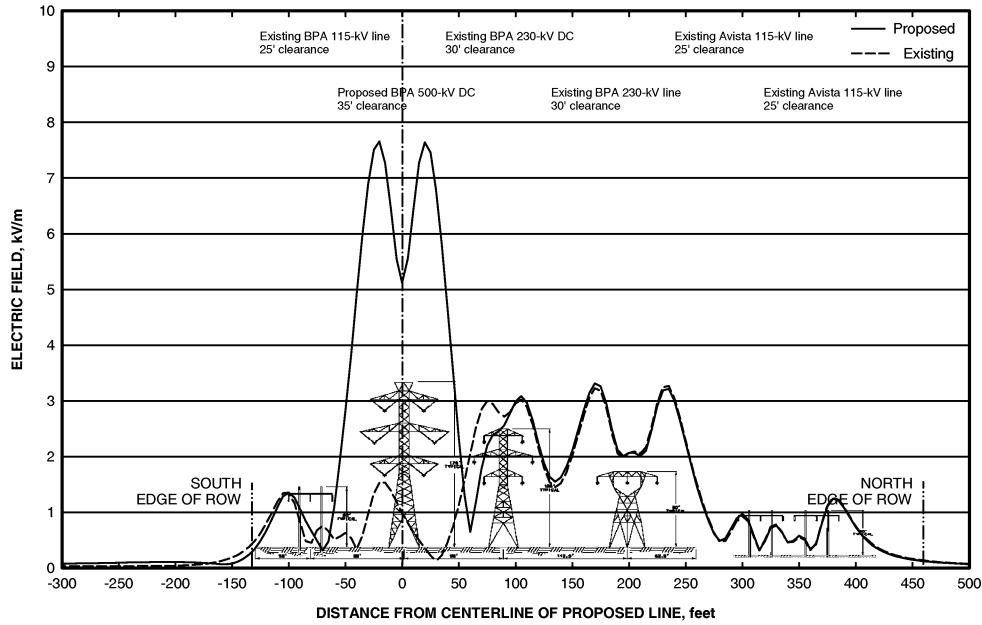


Figure 2, continued

- g) Configuration 7: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- h) Configuration 8: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

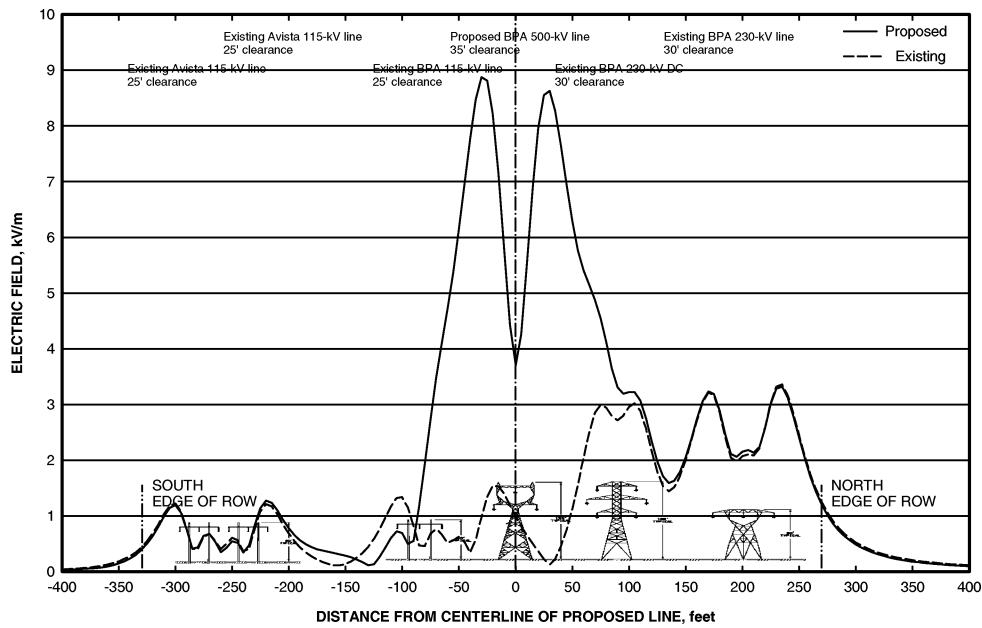
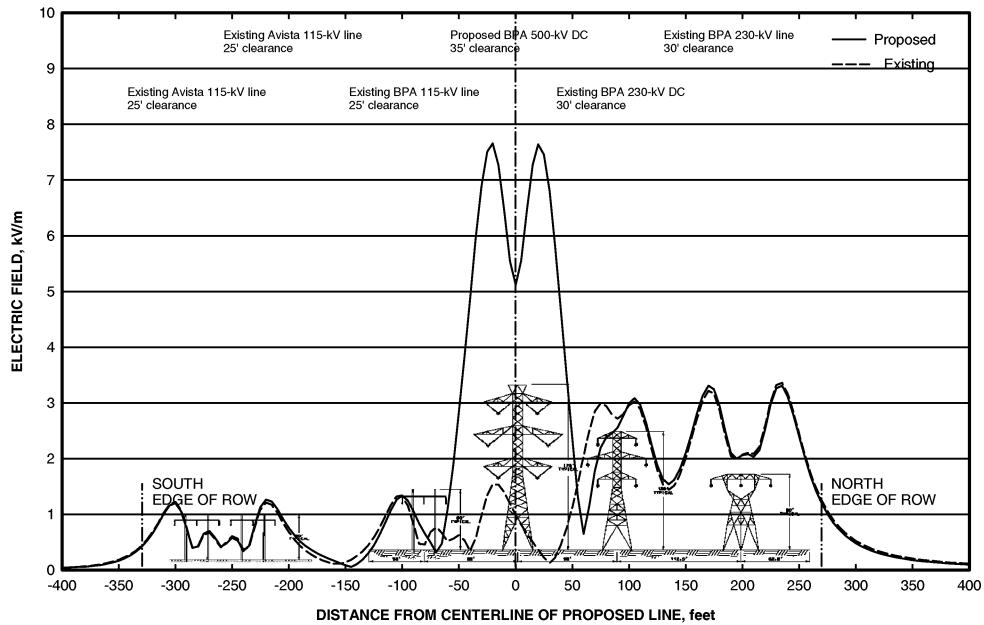


Figure 2, continued

- i) Configuration 9: Proposed line on double-circuit tower and parallel to existing 230-kV and 115 kV lines



- j) Configuration 10: Proposed line on double-circuit tower and parallel to existing 115-kV lines

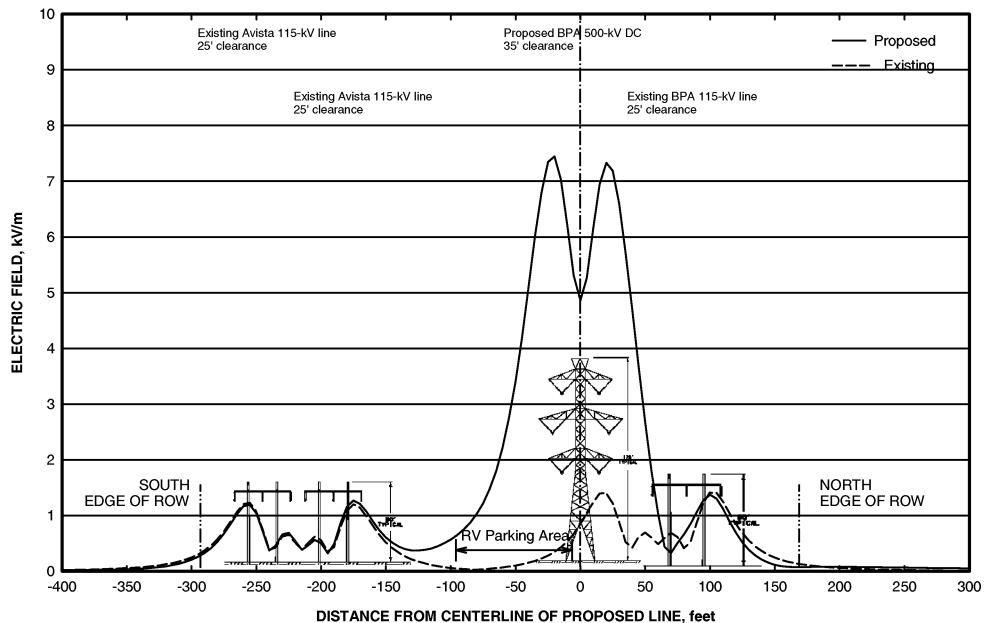
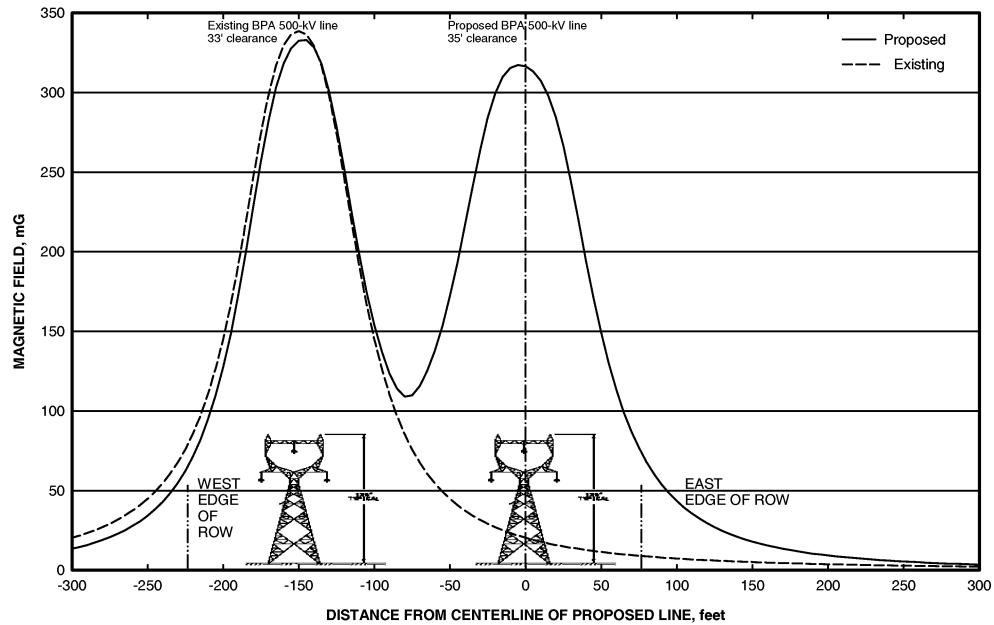


Figure 3: Magnetic-field profiles for configurations of the proposed Grand Coulee – Bell 500-kV line under maximum current conditions: a) Configuration 1; b) Configuration 2; c) Configuration 3; d) Configuration 4; e) Configuration 5; f) Configuration 6; g) Configuration 7; h) Configuration 8; i) Configuration 9; and j) Configuration 10. Configurations are described in Tables 1 and 2. (5 pages)

a) Configuration 1: Proposed line parallel to existing 500-kV line



b) Configuration 2: Proposed line with no parallel lines.

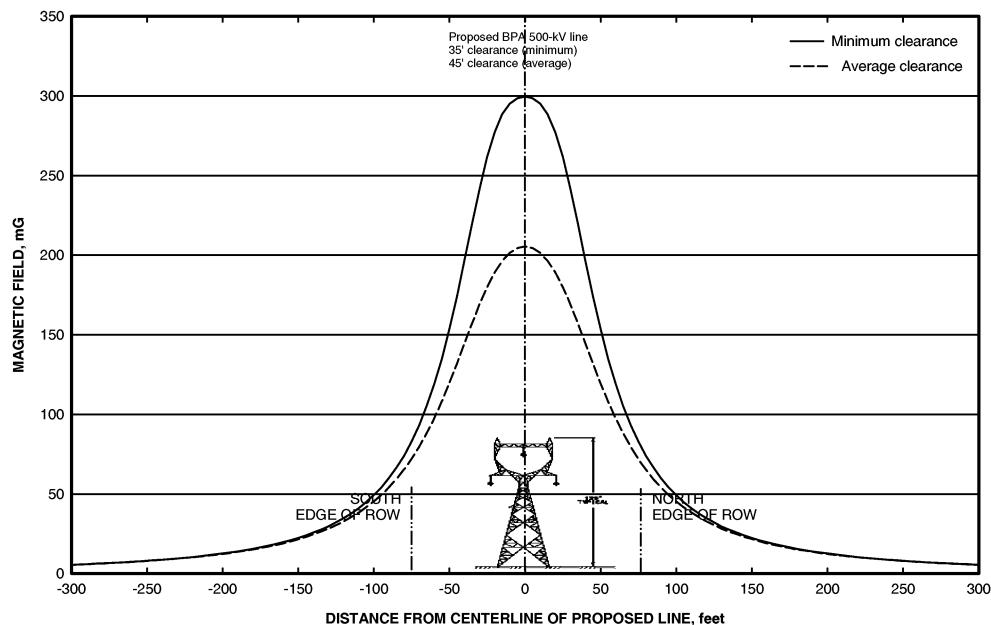
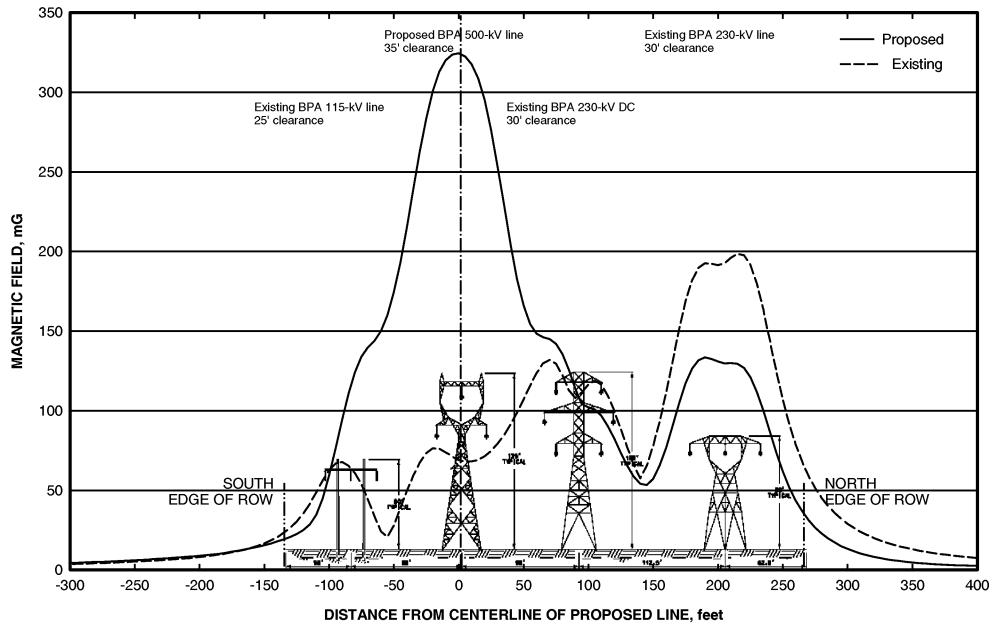


Figure 3, continued

- c) Configuration 3: Proposed line on single-circuit tower parallel to existing 230-kV and 115-kV lines



- d) Configuration 4: Proposed line on double-circuit tower with 115-kV line and parallel to existing 230-kV lines

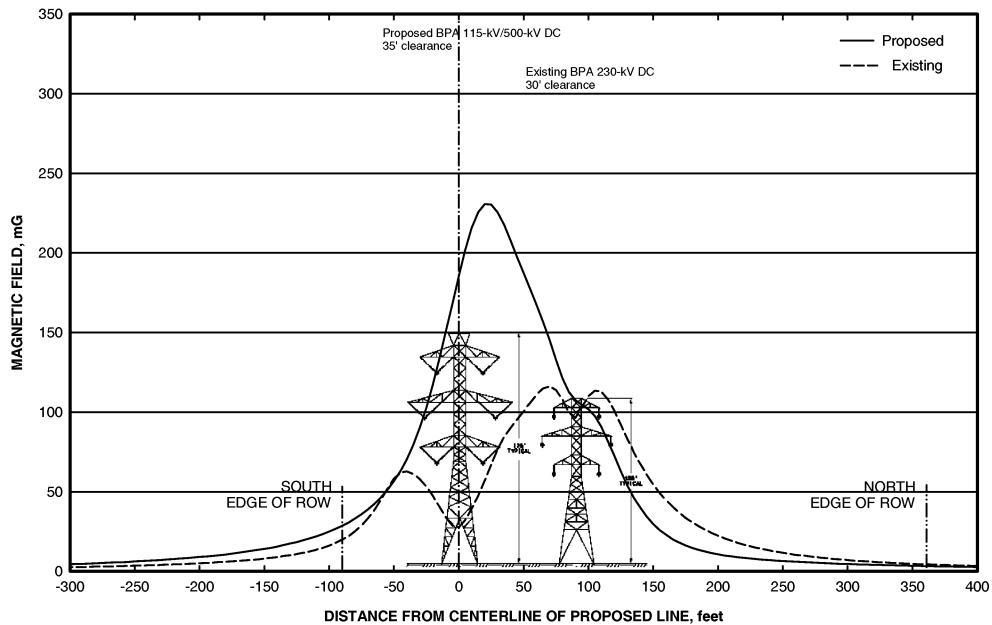
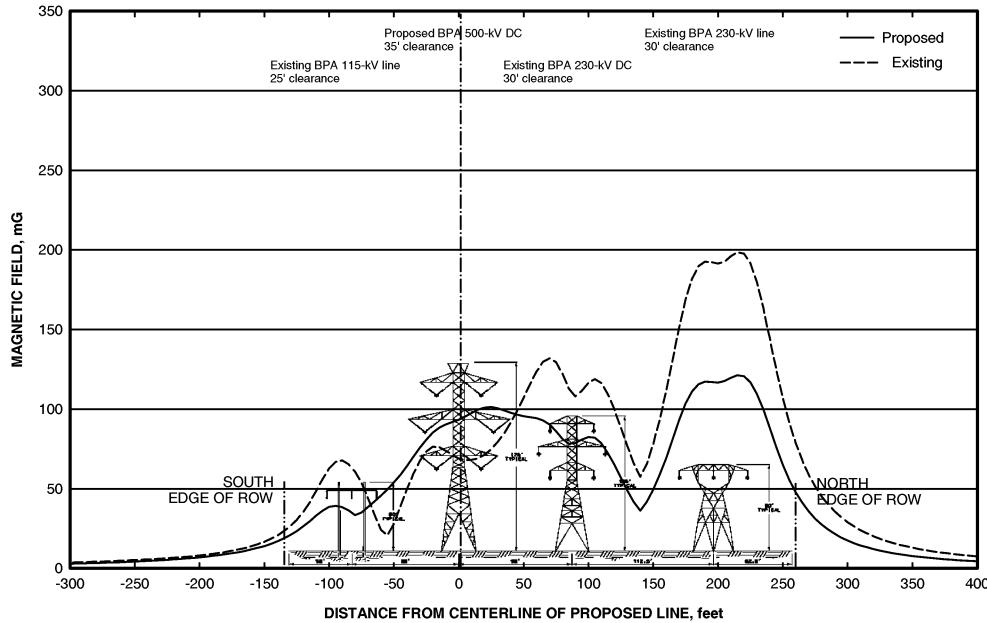


Figure 3, continued

- e) Configuration 5: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- f) Configuration 6: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

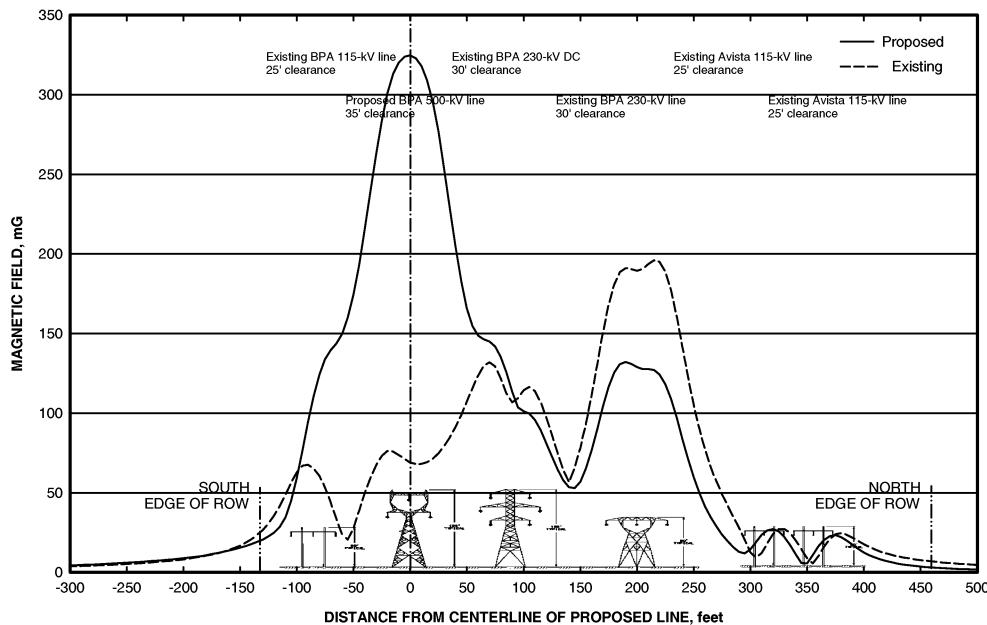
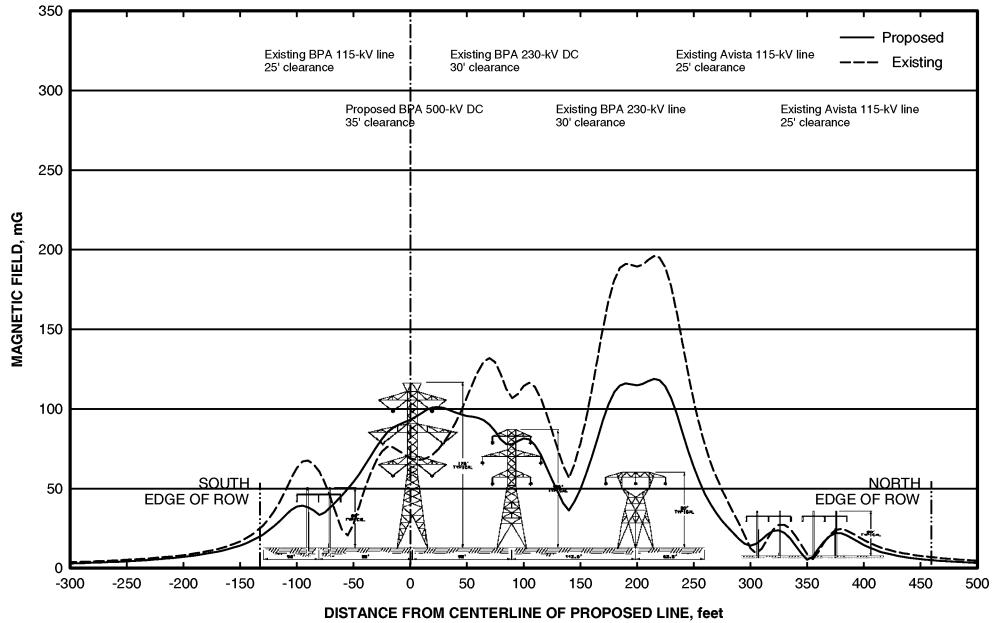


Figure 3, continued

- g) Configuration 7: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- h) Configuration 8: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

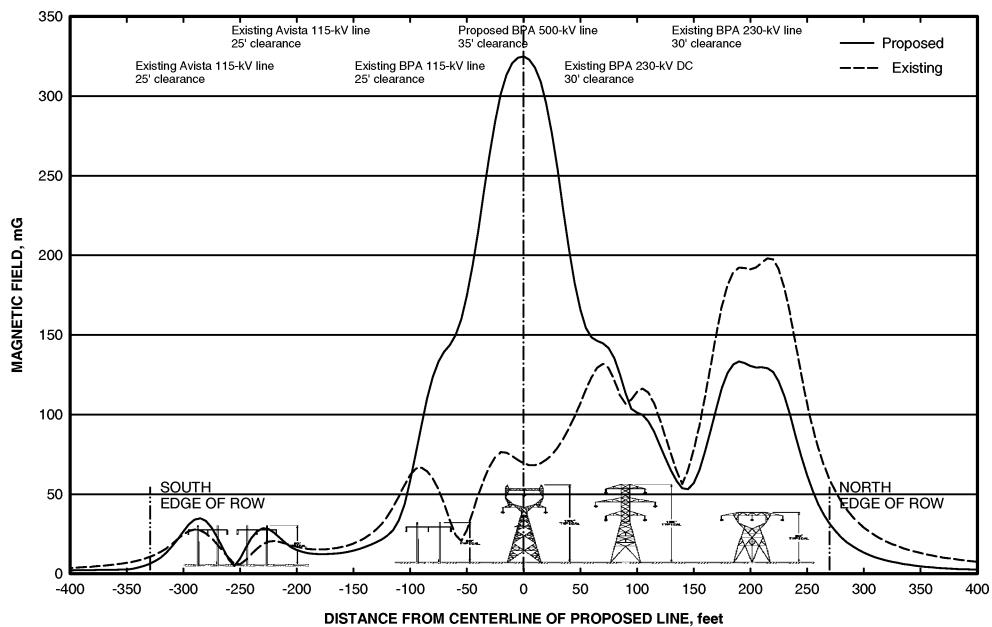
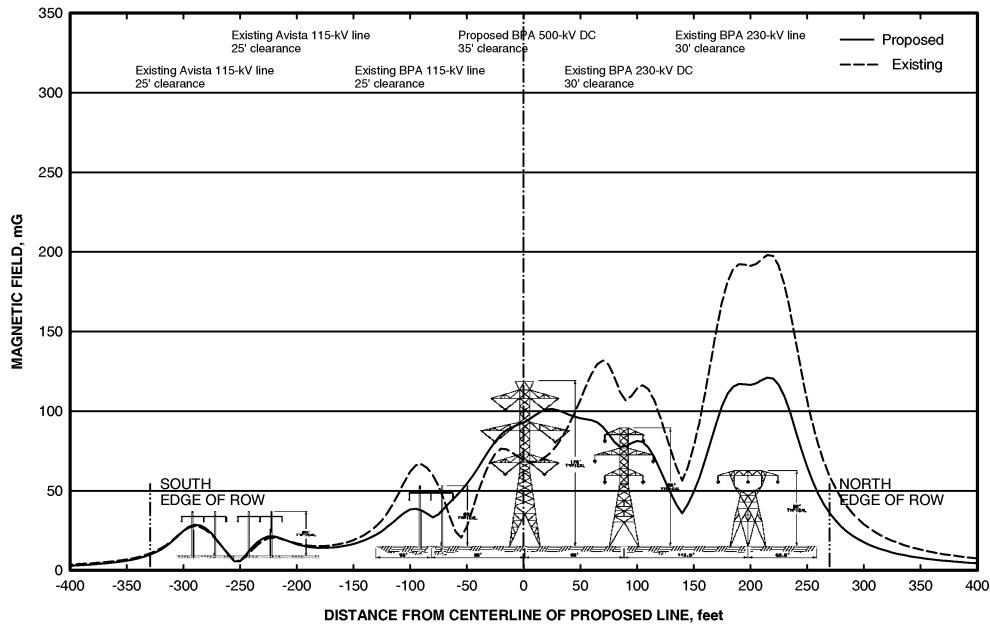


Figure 3, continued

- i) Configuration 9: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- j) Configuration 10: Proposed line on double-circuit tower and parallel to existing 115-kV lines

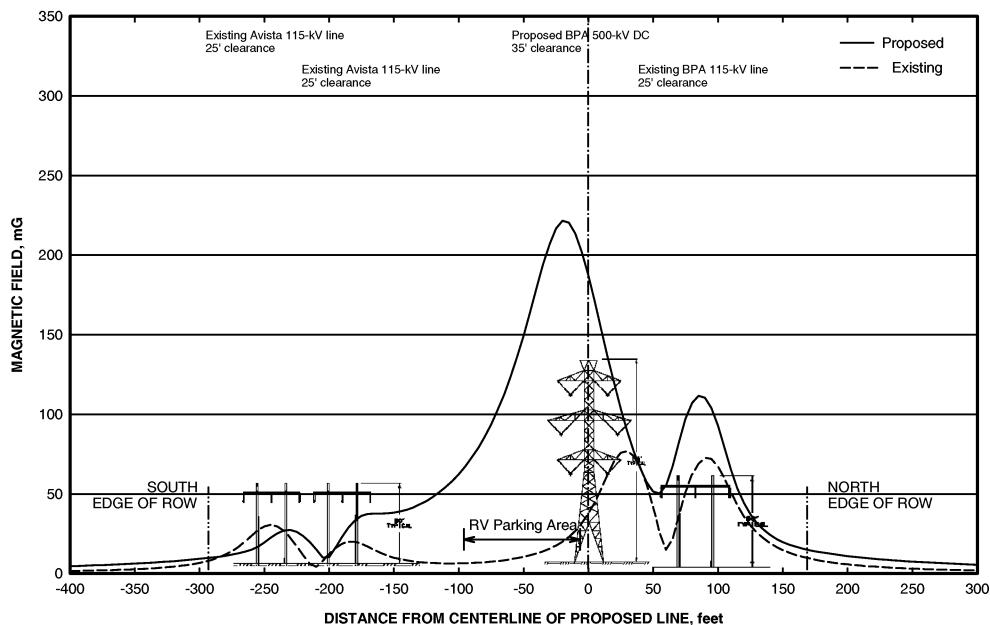
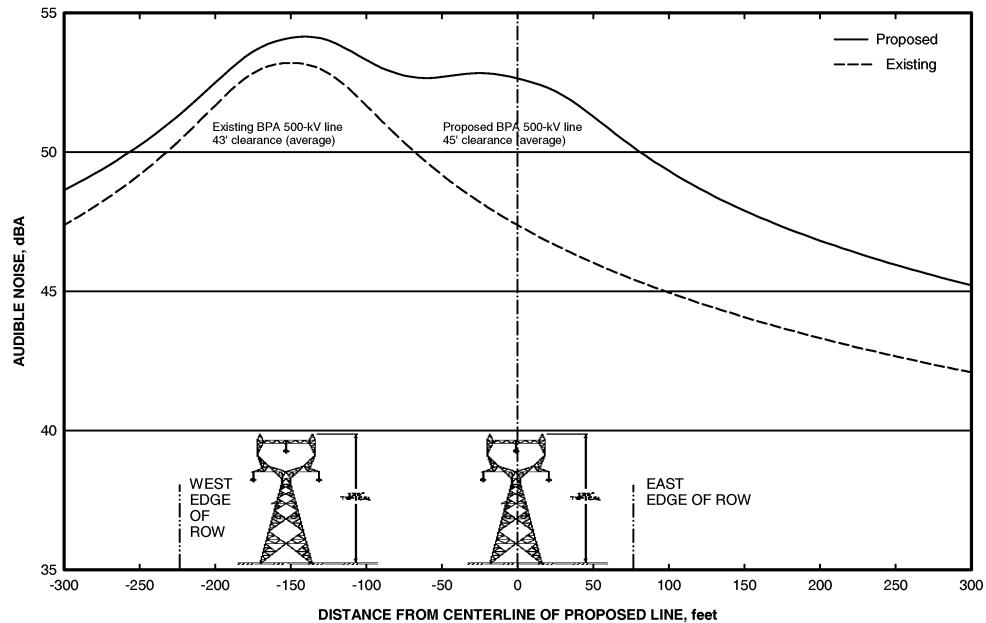


Figure 4: Predicted foul-weather L_{50} audible noise levels from configurations of proposed Grand Coulee – Bell 500-kV line: a) Configuration 1; b) Configuration 2; c) Configuration 3; d) Configuration 4; e) Configuration 5; f) Configuration 6; g) Configuration 7; h) Configuration 8; i) Configuration 9; and j) Configuration 10. Configurations are described in Tables 1 and 2. (5 pages)

a) Configuration 1: Proposed line parallel to existing 500-kV line



b) Configuration 2: Proposed line with no parallel lines

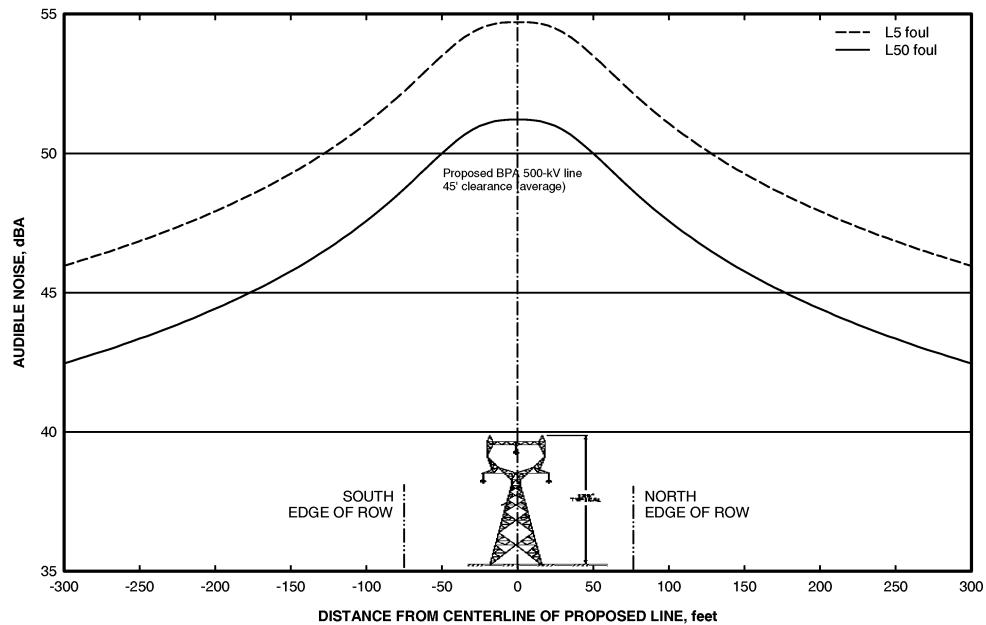
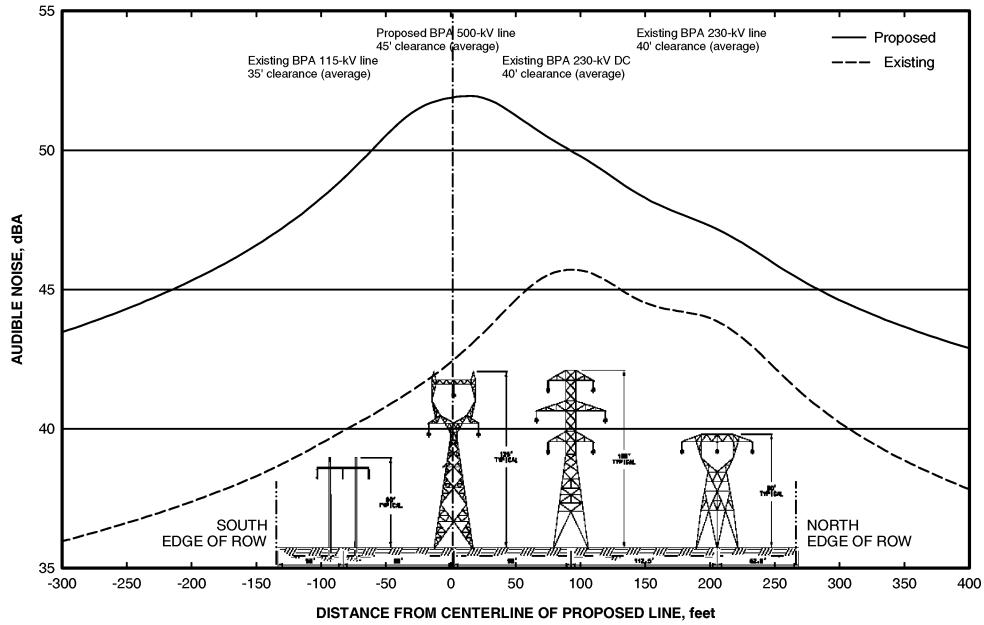


Figure 4, continued

- c) Configuration 3: Proposed line on single-circuit tower parallel to existing 230-kV and 115-kV lines



- d) Configuration 4: Proposed line on double-circuit tower with 115-kV line and parallel to existing 230-kV lines

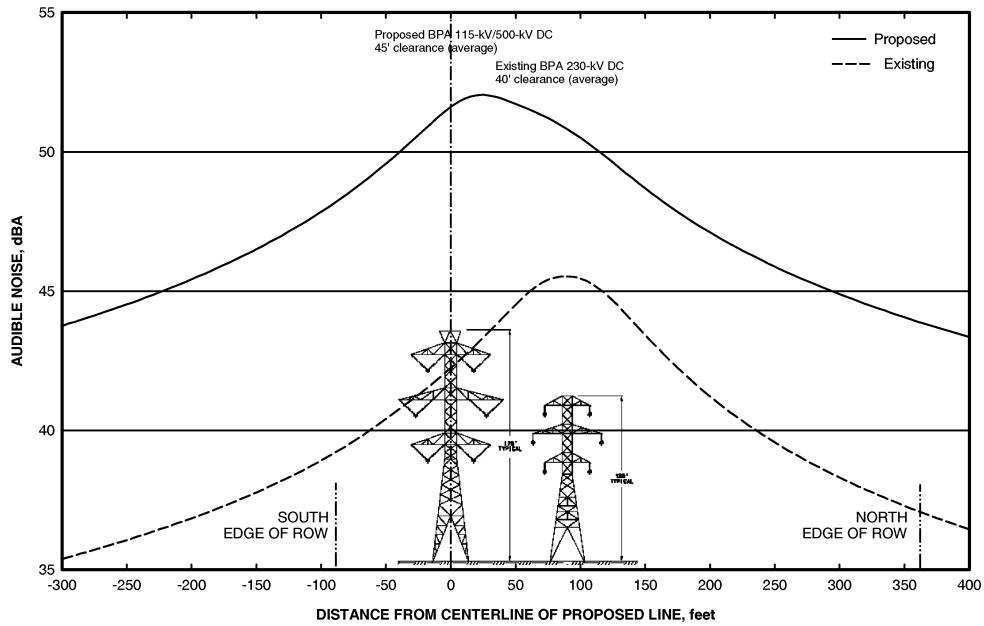
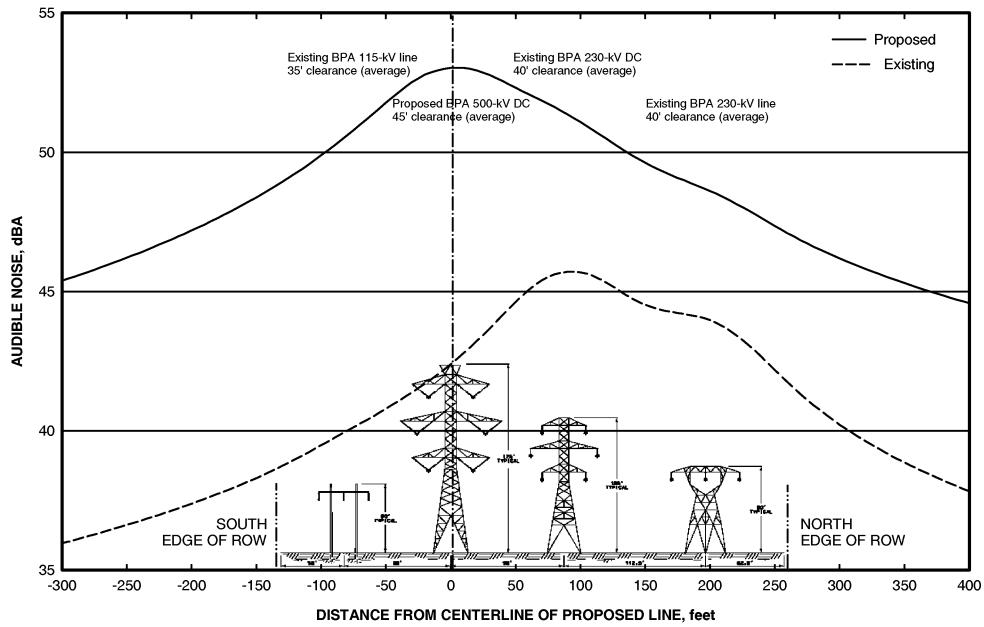


Figure 4, continued

- e) Configuration 5: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- f) Configuration 6: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

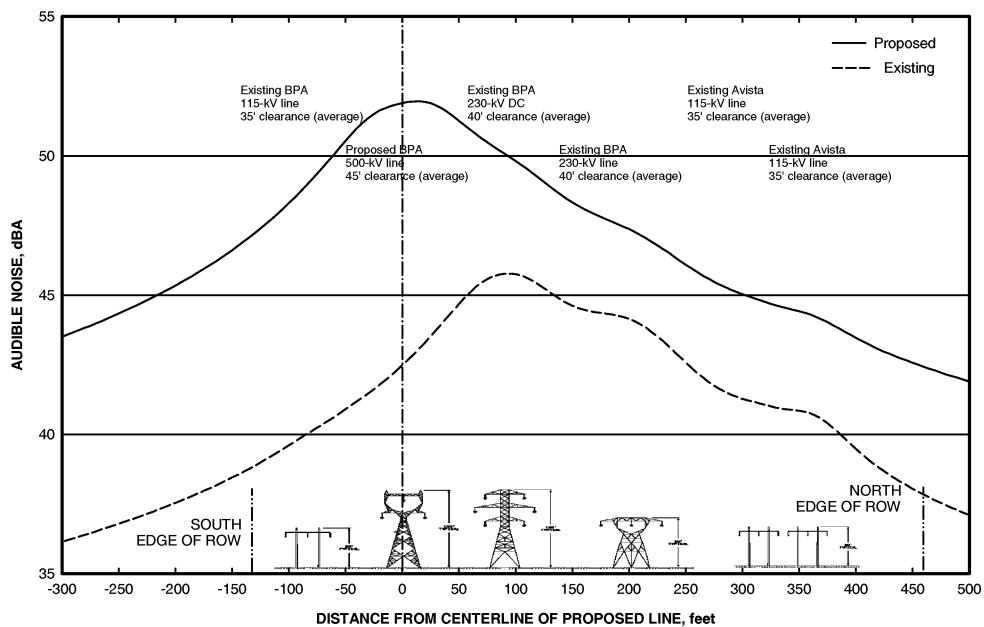
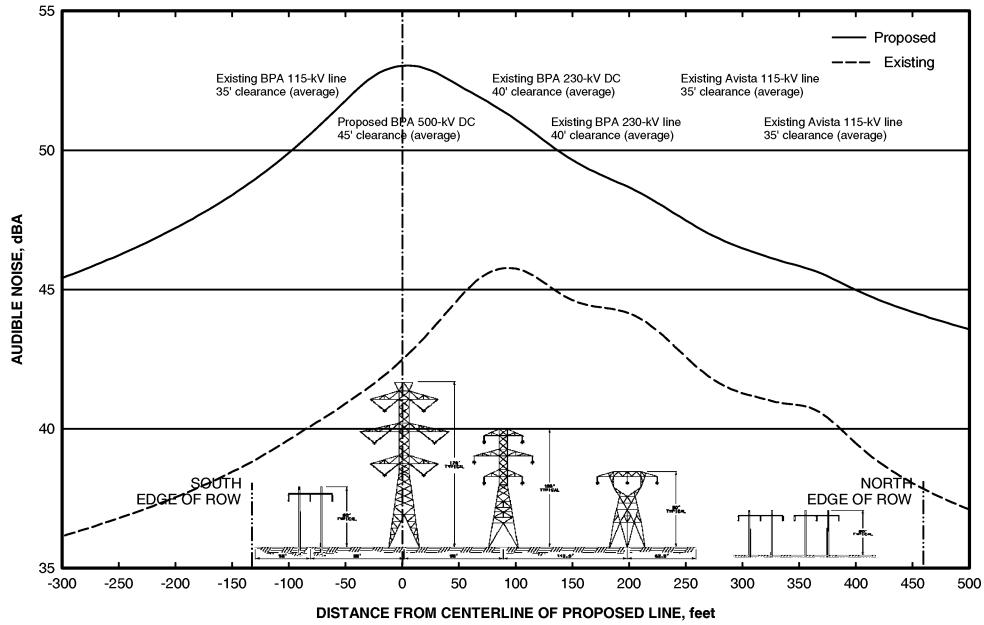


Figure 4, continued

- g) Configuration 7: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- h) Configuration 8: Proposed line on single-circuit tower and parallel to existing 230-kV and 115-kV lines

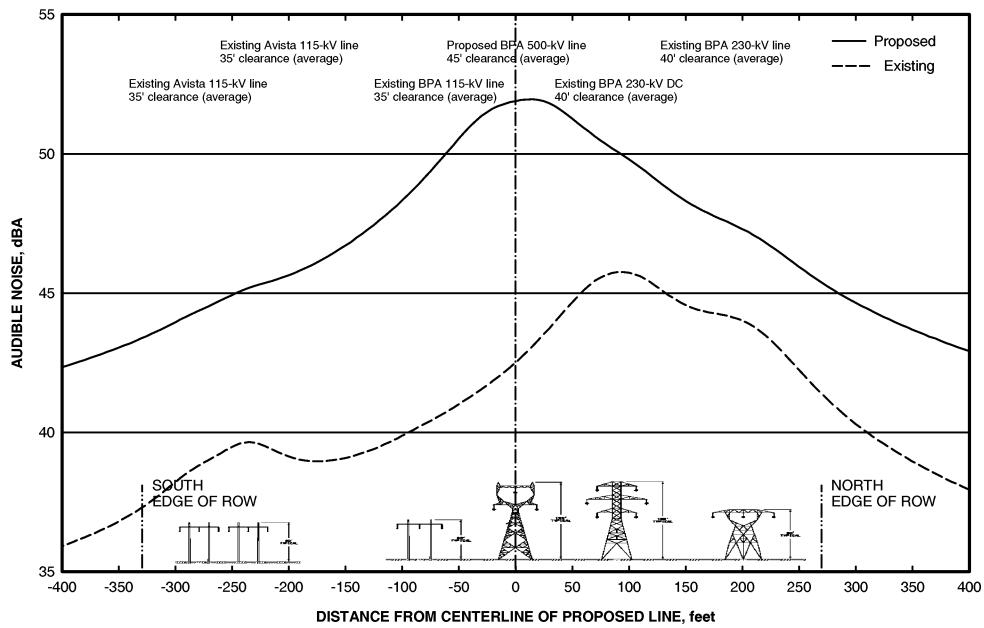
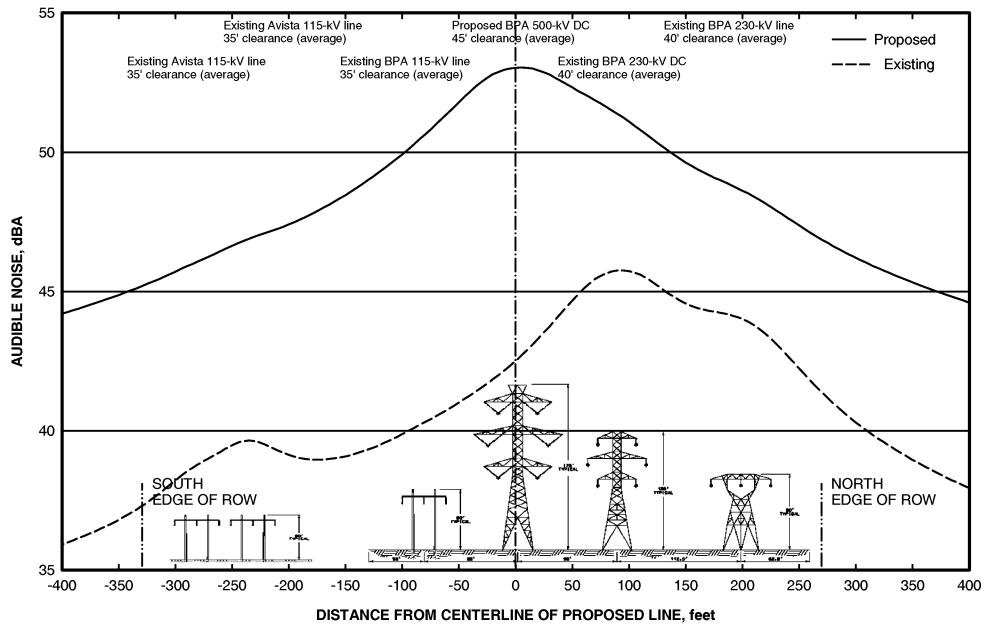
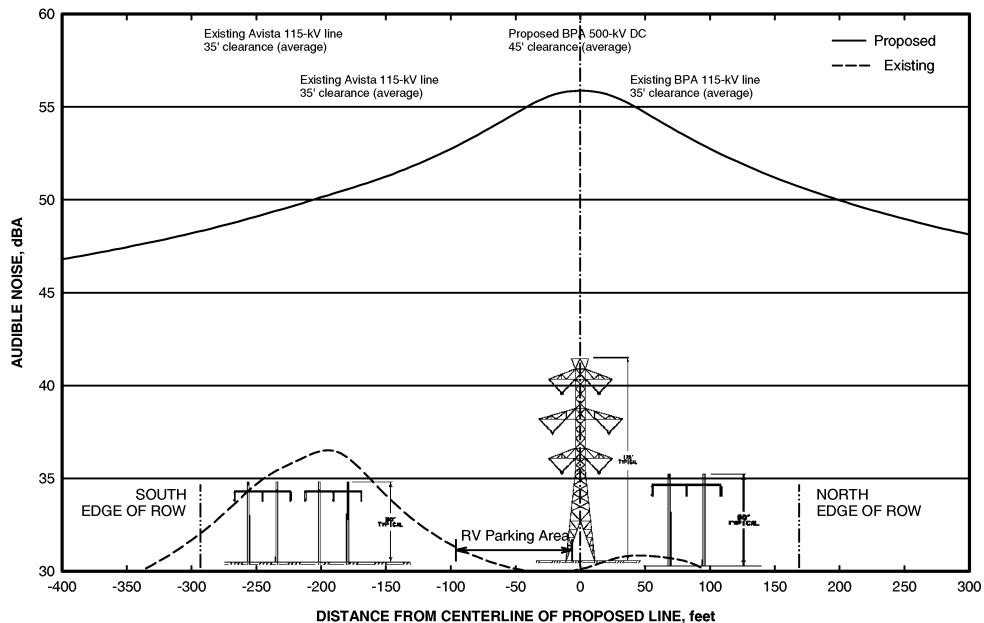


Figure 4, continued

- i) Configuration 9: Proposed line on double-circuit tower and parallel to existing 230-kV and 115-kV lines



- j) Configuration 10: Proposed line on double-circuit tower and parallel to existing 115-kV lines



This page intentionally left blank.