

Appendix C - Audible Noise Calculations

Table C-1. Audible noise levels (dbA) in fair and foul weather

Line Section	Configuration	FAIR WEATHER		FOUL WEATHER	
		-ROW edge	+ROW edge	-ROW edge	+ROW edge
XS-1A Segment 10 - Section 67, Pole # 232 (ROW X-section N5-10-1)	existing	< 0 [†]	< 0 [†]	17.0	16.5
	proposed	12.7	16.2	37.7	41.2
XS-1B Segment 10 - Section 67, Pole # 259 (ROW X-section N5-10-1)	existing	< 0	< 0	17.0	16.5
	proposed	12.7	16.2	37.7	41.2
XS-1C Segment 10 - Section 67, Pole # 224(ROW X-section N5-10-1)	existing	< 0	< 0	17.3	16.5
	proposed	12.7	16.2	37.7	41.2
XS-2A Segment 10 - Section 67, Pole # 294(ROW X-section N5-10-2)	existing	< 0	< 0	15.1	18.5
	proposed	12.7	15.7	37.7	40.7
XS-2B Segment 10 - Section 67, Pole # 290(ROW X-section N5-10-2)	existing	< 0	< 0	15.8	18.7
	proposed	11.9	15.0	36.9	40.0
XS-3A Segment 10 - Section 67, Pole # 335 (ROW X-section N5-10-3)	existing	< 0	< 0	17.0	16.5
	proposed	12.7	16.2	37.7	41.2
XS-3B Segment 10 - Section 67, Pole #'s (377,378,397)(ROW X-section N5-10-3)	existing	< 0	< 0	16.9	16.4
	proposed	12.7	16.2	37.7	41.2
XS-4 Segment 19 - Section 102, Pole #'s (49, 50, 58 ,61,62)(ROW X-section S1-E-19-1)	existing	< 0	< 0	< 0	< 0
	proposed	13.9	16.2	38.9	41.2
XS-5 Segment 19 - Section 102, Pole #'s (4,5,6,7,8,9,10,11,12,13,14,15)(ROW X-section S1-E-19-1)	existing	< 0	< 0	< 0	< 0
	proposed	12.8	16.2	37.8	41.2
XS-6 Segment 27 - Section 250, Pole #'s (408,407,406,394) (Row X-section S1-E-27-9)	existing	< 0	< 0	14.1	16.5
	proposed	18.7	15.4	43.7	40.4
XS-7 Segment 27 - Section 250, Pole #'s (339,338,309) (Row X-section S1-E-27-4)	existing	< 0	< 0	14.7	16.4
	proposed	18.7	15.4	43.7	40.4
XS-8 Segment 27 - Section 250, Pole # 199 (Row X-section S1-E-27-2)	existing	< 0	< 0	11.1	15.9
	proposed	16.2	11.7	41.2	36.7
XS-9 Segment 27 - Section 250, Pole #160 (Row X-section S1-E-27-1B)	existing	< 0	< 0	14.3	16.4
	proposed	16.2	10.9	41.2	35.9
XS-13A Segment 15 - Section 212, Pole #'s(116,121,124) (Row X-section N5-15-8)	existing	< 0	< 0	13.4	10.4
	proposed	16.2	14.2	41.2	39.2

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Line Section	Configuration	FAIR WEATHER		FOUL WEATHER	
		-ROW edge	+ROW edge	-ROW edge	+ROW edge
XS-13B Segment 15 - Section 212, Pole # 110 (Row X-section N5-15-8)	existing	< 0	< 0	13.4	10.3
	proposed	15.5	13.5	40.5	38.5
XS-13C Segment 15 - Section 212, Pole #'s (146,151)(Row X-section N5-15-8)	existing	< 0	< 0	11.9	11.3
	proposed	16.2	14.2	41.2	39.2
XS-14 Segment 15 - Section 212, Pole #'s (187,190)(Row X-section N5-15-10)	existing	< 0	< 0	13.3	10.3
	proposed	16.2	14.2	41.2	39.2
XS-15 Segment 15 - Section 212, Pole #'s(229) (Row X-section N5-15-11)	existing	< 0	< 0	13.6	9.1
	proposed	16.2	12.6	41.2	37.6
XS-16 Segment 15 - Section 212, Pole #'s(250) (Row X-section N5-15-14)	existing	< 0	< 0	13.3	10.3
	proposed	16.2	14.2	41.2	39.2
XS-17 Segment 18 - Section 167, Pole # 66 (Row X-Section S1-E-18-2)	existing	< 0	< 0	15.1	10.3
	proposed	9.8	16.2	34.8	41.2
XS-18A Segment 9 - Section 67, Pole # 8(Row-X-Section N5-9-1)	existing	< 0	< 0	14.5	12.9
	proposed	12.7	16.3	37.7	41.3
XS-18B Segment 9 - Section 67, Pole # 16(Row-X-Section N5-9-1)	existing	< 0	< 0	14.4	12.8
	proposed	12.7	16.3	37.7	41.3
XS-19 Segment 9 - Section 67, Pole #'s (17,28,102,105)(Row-X-Section N5-9-2)	existing	< 0	< 0	12.1	8.0
	proposed	12.9	16.1	37.9	41.1
XS-20 Segment 9 - Section 67, Pole #'s (117,122,135,140,145,146) (Row-X-Section N5-9-4)	existing	< 0	< 0	12.1	8.0
	proposed	12.9	16.1	37.9	41.1
XS-21 Segment 1 - Section 388, Pole #'S (363,374) (Row-X-Section N5-1-1)	existing	18.8	18.8	43.8	43.8
	proposed	19.9	21.2	44.9	46.2
XS-22 Segment 1 - Section 388, Pole # 422 (Row-X-Section N5-1-2)	existing	21.0	15.2	46.0	40.2
	proposed	19.9	18.0	44.9	43.0
XS-23A Segment 1 - Section 388, Pole # 472 (Row-X-Section N5-1-3)	existing	18.1	18.2	43.1	43.2
	proposed	19.4	20.8	44.4	45.8

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Line Section	Configuration	FAIR WEATHER		FOUL WEATHER	
		-ROW edge	+ROW edge	-ROW edge	+ROW edge
XS-23B Segment 1 - Section 388, Pole # 481 (Row-X-Section N5-1-3)	existing	18.8	18.8	43.8	43.8
	proposed	20.0	21.3	45.0	46.3
XS-24 Segment 3 - Section 203, Pole #'s (281,314) (Row-X-Section N5-3-2)	existing	< 0	< 0	10.2	13.3
	proposed	14.0	16.2	39.0	41.2
XS-25 Segment 39 - Section 229, Pole #91 (Row-X-Section N5-39-4)	existing	< 0	< 0	13.3	13.3
	proposed	< 0	< 0	13.1	12.7
XS-26 Segment 14 - Section 200, Pole # 6 (Row-X-Section N5-14-3)	existing	< 0	< 0	10.0	7.4
	proposed	< 0	< 0	13.3	8.5
XS-27A Segment 24 - Section 219, Pole # 25 (Rox-X-Section S1-E-24-3)	existing	< 0	< 0	13.1	13.8
	proposed	13.1	14.1	38.1	39.1
XS-27B Segment 24 - Section 219, Pole # 64 (Rox-X-Section S1-E-24-3)	existing	< 0	< 0	13.1	13.8
	proposed	13.1	14.1	38.1	39.1

† < 0, i.e. below threshold of hearing