Appendix AG

Eversource/National Grid Merrimack Valley Reliability Project Electric Field, Magnetic Field, Audible Noise, and Radio Noise Modeling in New Hampshire, June 16, 2015

Revised December 23, 2015

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Corrected Calculated Values in Tables A-1 and A-2 for Section 8b & 8c of Exponent Report

(Appendix AG)

Table A-1.   Corrected magnetic field levels (mG) at AAL and annual peak loading.

Section Number	Condition	Distance from Centerline of ROW				
		West ROW Edge -100 ft	West ROW Edge	Max on ROW	East ROW Edge	East ROW Edge +100 ft
8b	Pre-Project AAL	1.4	6.2	52	5.5	1.3
	Pre-Project annual peak (2018)	4.7	21	297	26	5.5
	Post-Project AAL	2.4	**7.5 (7.4)**	75	7.4	2.4
	Post-Project annual peak (2018)	6.1	29	278	28	7.3
	Post-Project annual peak (2023)	**6.1 (6.2)**	**30 (31)**	281	28	7.4
8c	Pre-Project AAL	1.4	6.2	71	5.5	1.4
	Pre-Project annual peak (2018)	4.8	21	311	26	5.5
	Post-Project AAL	2.3	**8.5 (9.0)**	75	7.4	2.4
	Post-Project annual peak (2018)	**6.1 (6.2)**	**36 (39)**	278	28	7.2
	Post-Project annual peak (2023)	6.2	**38 (41)**	281	28	7.4

Table A-2.   Corrected electric-field levels (kV/m) at average and minimum conductor height

Section Number	Condition	Distance from Centerline of ROW				
		West ROW Edge -100 ft	West ROW Edge	Max on ROW	East ROW Edge	East ROW Edge +100 ft
8b	Pre-Project (average height)	0.1	0.5	2.7	0.5	0.1
	Pre-Project (minimum height)	0.0	0.4	6.5	0.4	0.0
	Post-Project (average height)	0.1	**0.5 (0.6)**	4.3	0.5	0.1
	Post-Project (minimum height)	0.1	**0.7(0.9)**	6.5	0.4	0.0
8c	Pre-Project (average height)	0.1	0.5	2.7	0.5	0.1
	Pre-Project (minimum height)	0.0	0.4	6.5	0.4	0.0
	Post-Project (average height)	0.1	**0.5 (0.6)**	4.3	0.5	0.1
	Post-Project (minimum height)	0.1	**0.7 (0.9)**	6.5	0.4	0.0