

**Audible Noise Predictions for the Midway - Daniels
Park Transmission Project**

Exhibit No. AS-3

Notes:

- 1 Bonneville Power noise program used for calculations
- 2 Readings predicted for mid-span, tower influences are not known
- 3 Elevation of project 6900' above sea level
- 4 Operating voltage of the new circuits 230kV
- 5 "Wet" means water droplets are formed on the line due to precipitation, this is known as the L(50) condition
- 6 Noise reflection due to the ground or other objects is not known
- 7 There will be slightly higher readings after initial energization until the line "burns in" and ages and creeps for a few months
- 8 The db(A) scale is used
- 9 Locations of predicted readings are for a points 25' outside of the existing right-of-way
- 10 Noise modeling is not precise, a variance of 10-15% from field readings is normal

	Model Case	Fair Weather dB(A)	Wet Conditions L50 - dB(A)
A	Existing Corridor where two 230kV K-frames exist and the 115kV is in parallel	22	47
B	Existing Corridor where the two 230kV K-frames exists	22	47
C	Corridor with new structures and circuits operated at 230kV and existing 230kV and 115kV is in parallel	19	44
D	Corridor with new structures and circuits operated at 230kV and existing 230kV is in parallel	20	45