		URBEMIS Emission Factor (Grams/bhp)					
Chairlift	**Horsepower**	**ROG**	**NOX**	**CO**	**SOX**	**PM**	**CO_2**
Ellis	300	0.350	4.316	1.391	0.004	0.135	420.920
Quail	130	0.572	5.563	2.796	0.005	0.234	420.920
Quad (2)	99	0.879	2.796	5.563	0.005	0.425	420.920
	400	0.350	4.316	1.391	0.004	0.135	420.920
Madden	150	0.572	4.999	2.241	0.005	0.234	420.920

Source: Tirman pers comm. (D); URBEMIS 2007

Emissions = (emission factor) X (Hp) X (Hours/day) X (Load Factor)

Where

Emission Factor = URBEMIS default summarized above

Hp = Chairlift horsepower summarized above

Hours/day = 0.005 (48 hours per year/8760 hours)

Load Factor = 0.740; URBEMIS default

	Emissions (pounds/day)						
Chairlift	**ROG**	**NOX**	**CO**	**SOX**	**PM10[1]**	**PM2.5[2]**	**CO_2[3]**
Ellis	0.0009	0.0116	0.0037	0	0.0004	0.0003	4.4853
Quail	0.0015	0.0149	0.0075	0	0.0006	0.0006	1.9436
Quad	0.0024	0.0075	0.0149	0	0.0011	0.0010	1.4802
Quad	0.0009	0.0116	0.0037	0	0.0004	0.0003	5.9804
Madden	0.0015	0.0134	0.0060	0	0.0006	0.0006	2.2427
Total	**0.007**	**0.059**	**0.036**	**0.000**	**0.003**	**0.003**	**16.1322**

Notes

[1] PM10 assumed to be 100% of total PM

[2] PM2.5 assumed to be 92% of total PM

[3] Presented in metric tons per year (48 hours of operation per year)