Supplemental Information

Table 3. Results for alternate regression model using additional variables.

Effect	Site	Estimate	Std. Err.	P-Value
Intercept		-39.6061	6.5826	<.0001
1/Visual Range		744892	29360	<.0001
RH^2		-0.00357	0.00083	<.0001
Site	1	3.0222	3.173	0.3412
Site	2	1.1852	4.6924	0.8007
Site	3	0		
Season		1.0122	1.2358	0.4131
Temperature		-0.1316	0.1815	0.4689
Wind Speed		-0.254	0.266	0.3399

Table 4. Descriptive statistics for meteorological variables of the three Kuwait calibration sites.





Figure 7. Seasonal variability of measured and predicted (Pred.) average PM_{2.5} at the three Kuwait calibration sites.

In Figure 7, since sites had different numbers of observations, overall seasonal average concentrations did not fall midway between the site seasonal averages. Rather, averages were influenced mostly by "Site 1." In terms of seasonal variability, each site followed a similar patter, with peak $PM_{2.5}$ concentrations occurring in summer and the lowest concentrations occurring in winter. As shown, when comparing seasonal measured and predicted $PM_{2.5}$ concentrations, predictions followed the seasonal pattern well. This is also evident in Figure 2 of this manuscript.