

PM₁₀

1995 Statewide Emissions Inventory – Directly Emitted PM₁₀ by Category

The PM₁₀ emission inventory includes only directly emitted particulate emissions. However, particulate matter can also be formed in the atmosphere. This secondary PM₁₀ is formed by reactions that are driven by emissions of ROG, NO_x, and SO_x. Area-wide sources account for most of the statewide emissions of directly emitted PM₁₀. The major area-wide source of PM₁₀ is fugitive dust, especially dust from unpaved roads and agricultural operations. Fugitive dust emissions from unpaved roads are related to motor vehicle population levels due to vehicular travel on unpaved roads. Other sources of PM₁₀ emissions include brake and tire wear, residential wood burning, and industrial sources. Exhaust emissions from mobile sources contribute only a very small portion of directly emitted PM₁₀ emissions, but are a major source of the ROG and NO_x that form secondary particles.

PM₁₀ Emissions (annual average)		
Emissions Source	tons/day	Percent
Stationary Sources	211	10%
Area-wide Sources	1881	85%
On-Road Mobile	67	3%
Gasoline Vehicles	23	1%
Diesel Vehicles	44	2%
Other Mobile Sources	50	2%
Total Statewide	2208	100%

Table 2-9