

**TABLE 4.5-26
BAY AREA POWER PLANT EMISSIONS SUMMARY, 1999 AND 2005**

| Pollutant | Estimated Emissions in Tons Per Year ^a | | | | | | | |
|---|---|------------------------|-----------------------|---|--|---|--|---|
| | Existing ^b | Year 1999 ^c | | Difference Between A-Max and 1999 Baseline | Differences as Percent of Region in 1999 ^d | Year 2005 Cumulative A-Max ^e | Difference Between 2005 Cumulative A-Max and 1999 Baseline | Difference as Percent of Region in 2005 ^d |
| | | Baseline | Analytical Maximum | | | | | |
| <u>With Continued Application of BAAQMD Regulation 9, Rule 11:</u> | | | | | | | | |
| Carbon Monoxide | 3,055 | 4,121 | 7,916 | 3,795 | 0.5% | 6,396 | 2,275 | 0.3% |
| Reactive Organic Gases | 316 | 421 | 802 | 381 | 0.2% | 743 | 322 | 0.2% |
| Nitrogen Oxides | 4,397 | 4,310 | 8,699 | 4,389 | 2.7% | 1,758 | -2,552 | -1.6% |
| Sulfur Oxides | 71 | 75 | 120 | 45 | 0.1% | 159 | 84 | 0.2% |
| Particulate Matter (PM-10) | 284 | 382 | 727 | 345 | 0.2% | 679 | 297 | 0.2% |
| <u>Without Continued Application of BAAQMD Regulation 9, Rule 11^f:</u> | | | | | | | | |
| Nitrogen Oxides | 4,397 | 4,310 | 10,017 | 5,707 | 3.5% | 7,401 | 3,091 | 1.9% |

^a Baseline and analytical maximum emissions estimates were developed by Sierra Energy and Risk Assessment, Inc. for this report.

^b Existing emissions reflect an average of emissions over the 1995 to 1997 period for the three Bay Area power plants proposed for divestiture (Potrero, Pittsburg and Contra Costa plants). They also include Hunters Point Power Plant emissions, which have been estimated to average 547 tons per year of carbon monoxide, 56 tons per year of ROG, 1,020 tons per year of NO_x, 11 tons per year of SO_x, and 50 tons per year of PM-10 over the 1995 to 1997 period.

^c Year 1999 power plant emissions estimates reflect the three Bay Area power plants for which divestiture has been proposed as well as the Hunters Point Power Plant. The Hunters Point Power Plant is assumed to operate at minimum levels to meet the San Francisco Operating Criteria and to be in compliance with Regulation 9, Rule 11 NO_x emission rate limits. For 1999, Hunters Point emissions have been estimated to be 316 tons per year of carbon monoxide, 32 tons per year of ROG, 210 tons per year of NO_x, 5 tons per year of SO_x, and 29 tons per year of PM-10.

^d Percentages are based on emissions inventories presented in *BAAQMD CEQA Guidelines* (April 1996).

^e Cumulative year 2005 power plant emissions estimates reflect the three Bay Area power plants for which divestiture has been proposed as well as a new power plant (480 MW) located north of the Martin substation to serve San Francisco. Emissions for such new power plant have been estimated to be 150 tons per year of carbon monoxide, 80 tons per year of ROG, 184 tons per year of NO_x, 12 tons per year of SO_x, and 101 tons per year of PM-10. The Hunters Point Power Plant is assumed to be closed by 2005.

^f For this case, only emissions of nitrogen oxides are shown. The other criteria pollutants shown above would be essentially the same with or without Regulation 9, Rule 11. Therefore, these emissions were not repeated for this case.