

**Air Pollutant Emission Rates — Pounds of Pollutant Emitted
per MWh of Electricity Generated**

Air Pollutants	Average US Coal, Oil & Gas-Fired Power Plant ^(a)	Calpine Power Plants	
		Combined-Cycle Power Plant ^(b)	% Less Than Avg US Plant
Nitrogen Oxides, NO_x			
Acid rain, smog and fine particulate formation	3.01	0.21	93% Less
Sulphur Dioxide, SO₂			
Acid rain and fine particulate formation	7.88	0.005	99.9% Less
Mercury, Hg			
Neurotoxin	0.000035	0	100% Less
Carbon Dioxide, CO₂			
Principal greenhouse gas — contributor to climate change	1,914	882	53.9% Less
Particulate Matter, PM			
Respiratory health effects	0.47	0.037	92.1% Less

- (a) The US fossil fuel fleet's emission rates were obtained from the United States Department of Energy's Electric Power Annual Report for 2005. Emission rates are based on 2005 emissions and net generation.
- (b) Calpine's combined-cycle power plant emission rates are based on 2005 data.
- (c) Calpine's geothermal power plant emission rates are based on 2005 data and include expected results from the mercury abatement program currently in process.