



# South Coast Air Quality Management District

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## Form 400-CEQA, Table 3 – Greenhouse Gases

The following is a list of chemicals that are greenhouse gases (GHGs). Some GHGs may be generated by combustion equipment burning fuel while other GHGs are used by equipment in order to function.

To assist in the determination of the GHGs that may be generated or contained in the products used at your facility, the following resources may be helpful:

- 1) Refer to each product's Material Safety Data Sheet (MSDS) which typically identifies the chemical, either by brand name, common name, chemical name, or Chemical Abstract Service number (CAS). If the MSDS is not included as part of the product shipment, it may be obtained directly from the supplier, distributor, vendor or manufacturer.
- 2) Refer to the equipment manufacturer's specifications to establish what products are suitable for proper operation of the equipment.

Greenhouse Gases			
Chemical Name	Chemical Symbol	CAS No.	Global Warming Potential (GWP) <sup>1</sup>
Carbon dioxide	CO <sub>2</sub>	124-38-9	1
Methane	CH <sub>4</sub>	74-82-8	25
Nitrous Oxide	N <sub>2</sub> O	10024-97-2	298
Hydrofluorocarbon-23	HFC-23	75-46-7	14,800
Hydrofluorocarbon-32	HFC-32	75-10-5	650
Hydrofluorocarbon-125	HFC-125	354-33-6	2,800
Hydrofluorocarbon-134a	HFC-134a	811-97-2	1,430
Hydrofluorocarbon-143a	HFC-143a	420-46-2	3,800
Hydrofluorocarbon-152a	HFC-152a	75-37-6	140
Hydrofluorocarbon-227ea	HFC-227ea	431-89-0	2,900
Hydrofluorocarbon-236fa	HFC-236fa	690-39-1	6,300
Hydrofluorocarbon-4310mee	HFC-4310mee	138495-42-8	1,300
Carbon tetrafluoride	CF <sub>4</sub>	75-73-0	6,500
Hexafluoroethane	C <sub>2</sub> F <sub>6</sub>	76-16-4	9,200
Perfluorobutane	C <sub>4</sub> F <sub>10</sub>	355-25-9	7,000
Perfluorohexane	C <sub>6</sub> F <sub>14</sub>	355-42-0	7,400
Sulfur hexafluoride	SF <sub>6</sub>	2551-62-4	22,800

<sup>1</sup> Intergovernmental Panel on Climate Change (IPCC), Fourth Assessment Report (AR4), GWP Time Horizon – 100 years, (IPCC 2007).