



OLD Pollutant Code	NEW Pollutant Code	Pollutant Name(s)	Global Warming Potential Relative to CO <sub>2</sub> (100 year horizon)
(CF <sub>3</sub> ) <sub>2</sub> CHOH	920661	1,1,1,3,3,3-Hexafluoro-2-Propanol	190
CH <sub>3</sub> CCl <sub>3</sub>	71556	1,1,1-Trichloroethane	140
(CF <sub>3</sub> )CH <sub>2</sub> OH	75898	2,2,2-Trifluoro-ethanol	57
CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> OH	422059	2,2,3,3,3-Pentafluoro-1-propanol	40
CHBrF <sub>2</sub>	1511622	Bromodifluoromethane	470
C <sub>3</sub> F <sub>8</sub>	76197	C <sub>3</sub> F <sub>8</sub> (Perfluoropropane)	8600
C <sub>4</sub> F <sub>10</sub>	355259	C <sub>4</sub> F <sub>10</sub> (Perfluoro-n-Butane)	8600
C <sub>5</sub> F <sub>12</sub>	678262	C <sub>5</sub> F <sub>12</sub> (Perfluoropentane)	8900
C <sub>6</sub> F <sub>14</sub>	355420	C <sub>6</sub> F <sub>14</sub> (Perfluorohexane)	9000
CO <sub>2</sub>	124389	Carbon Dioxide	1
CCl <sub>4</sub>	56235	Carbon Tetrachloride	1800
CHCl <sub>3</sub>	67663	Chloroform	30
CH <sub>2</sub> Br <sub>2</sub>	74953	Dibromomethane	1
CH <sub>2</sub> Cl <sub>2</sub>	75092	Dichloromethane	10
CH <sub>4</sub>	74828	Methane	23
CH <sub>3</sub> Br	74839	Methyl Bromide	5
(CF <sub>3</sub> ) <sub>2</sub> CF <sub>2</sub> CH <sub>3</sub>	22052842	Methyl Perfluoroisopropyl Ether	330
NF <sub>3</sub>	7783542	Nitrogen Trifluoride; Trifluoramine	10800
N <sub>2</sub> O	10024972	Nitrous Oxide	296
CFC-11	75694	R-11 (Trichlorofluoromethane)	4600
CFC-113	76131	R-113 (1,1,2-Trichloro-1,2,2-Trifluoroethane)	6000
CFC-114	76142	R-114 (Freon 114, 1,2-Dichlorotetrafluoroethane)	9800
CFC-115	76153	R-115 (Chloropentafluoroethane)	7200
C <sub>2</sub> F <sub>6</sub>	76164	R-116 (Perfluoroethane; Hexafluoroethane)	11900
CFC-12	75718	R-12 (Freon 12, Dichlorodifluoromethane)	10600
HCFC-123	306832	R-123 (HCFC-123, Dichlorotrifluoroethane)	120
HCFC-124	2837890	R-124 (HCFC-124, 2-Chloro-1,1,1,2-Tetrafluoroethane)	620
HFC-125	354336	R-125 (HFC-125, Fc-125, Pentafluoroethane)	3400
Halon-1211	353593	R-12B1 (Difluorochlorobromomethane, Halon 1211)	1300
CFC-13	75729	R-13 (Chlorotrifluoromethane)	14000
HFC-134	359353	R-134 (HFC-134, 1,1,2,2-Tetrafluoroethane)	1100
HFC-134a	811972	R-134a (HFC-134a, 1,1,1,2-Tetrafluoroethane)	1300
CBrF <sub>3</sub>	75638	R-13B1 (Trifluorobromomethane, Halon 1301)	6900
FIC-1311	2314978	R-1311 (Trifluoroiodomethane)	1
CF <sub>4</sub>	75730	R-14 (Carbon Tetrafluoride)	5700
HCFC-141b	1717006	R-141b (HCFC-141b, 1,1-Dichloro-1-fluoroethane)	700
HCFC-142b	75683	R-142b (HCFC-142b, 1-Chloro-1,1-difluoroethane)	2400
HFC-143	430660	R-143 (HFC-143, 1,1,2-Trifluoroethane)	330
HFC-143a	420462	R-143a (HFC-143a, 1,1,1-Trifluoroethane)	4300
HFC-152	624726	R-152 (HFC-152, 1,1-Difluoroethane)	43
HFC-152a	75376	R-152a (HFC-152a, 1,1-Difluoroethane)	120
HFC-161	353366	R-161 (HFC-161, Fluoroethane)	12
HCFC-21	75434	R-21 (Dichlorofluoromethane)	210
HCFC-22	75456	R-22 (Chlorodifluoromethane)	1700
HFC-23	75467	R-23 (HFC-23, Trifluoromethane)	12000
HFC-32	75105	R-32 (HFC-32, Difluoromethane)	550
CH <sub>3</sub> Cl	74873	R-40 (Methyl Chloride)	16
HFC-41	593533	R-41 (HFC-41, Methyl fluoride)	97
c-C <sub>4</sub> F <sub>8</sub>	115253	R-C318 (Freon 318, Octafluorocyclobutane)	10000
HFE-125	3822682	R-E125 (HFE-125, Pentafluorodimethyl ether)	14900
HFE-134	1691174	R-E134 (HFE-134, 1,1,1',1'-Tetrafluorodimethyl ether)	6100
HFE-143a	421147	R-E143a (HFE-143a)	750
CH <sub>3</sub> OCH <sub>3</sub>	115106	R-E170 (Dimethyl ether)	1
SF <sub>6</sub>	2551624	Sulfur Hexafluoride	22200

Source: IPCC, 2001, "Climate Change 2001: The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change" [Houghton, J.T., Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, K. Maskell, and C.A. Johnson(eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, pp. 388-389.

For more information about greenhouse gases, calculation tools, and global warming potentials, please visit the DEP website at: <http://www.Maine.gov/dep/air/emissions/ghg.htm>.

Questions? Contact the Air Toxics and Emissions Inventory Program at (207)287-2437.