

	Lifetime (years)	GWP time horizon			Report Reference
		20 years	100 years	500 years	
Carbon dioxide (CO ₂)	Complex	1	1	NA	IPCC 2013 – AR5
		1	1	1	IPCC 2007 – AR4
		1	1	1	IPCC 2001 – TAR
		1	1	1	IPCC 1996 – SAR
Methane (CH ₄)	12.4	84	28	NA	IPCC 2013 – AR5
	12	72	25	7.6	IPCC 2007 – AR4
	12	62	23	7	IPCC 2001 – TAR
	12	56	21	6.5	IPCC 1996 – SAR
Nitrous oxide (N ₂ O)	121	264	265	NA	IPCC 2013 – AR5
	114	289	298	153	IPCC 2007 – AR4
	114	275	296	156	IPCC 2001 – TAR
	120	280	310	170	IPCC 1996 – SAR
HFC-23	222	10,800	12,400	NA	IPCC 2013 – AR5
	270	12,000	14,800	12,200	IPCC 2007 – AR4
	260	9,400	12,000	10,000	IPCC 2001 – TAR
	264	9,100	11,700	9,800	IPCC 1996 – SAR

HFC-134a	13.4	3,710	1,300	NA	IPCC 2013 – AR5
	14	3,830	1,430	435	IPCC 2007 – AR4
	13.8	3,300	1,300	400	IPCC 2001 – TAR
	13.8	3,400	1,300	420	IPCC 1996 – SAR
CF ₄ (PFC)	50,000	4,880	6,630	NA	IPCC 2013 – AR5
	50,000	5,210	7,390	11,200	IPCC 2007 – AR4
	50,000	3,900	5,700	8,900	IPCC 2001 – TAR
	50,000	4,400	6,500	10,000	IPCC 1996 – SAR
Sulfur hexafluoride (SF ₆)	3,200	17,500	23,500	NA	IPCC 2013 – AR5
	3,200	16,300	22,800	32,600	IPCC 2007 – AR4
	3,200	15,100	22,200	32,400	IPCC 2001 – TAR
	3,200	16,300	23,900	34,900	IPCC 1996 – SAR
Nitrogen trifluoride (NF ₃)	500	12,800	16,100	NA	IPCC 2013 – AR5
	500	12,300	17,200	20,700	IPCC 2007 – AR4
	740	7,700	10,800	13,100	IPCC 2001 – TAR
	740	NA	NA	NA	IPCC 1996 – SAR