

VAVR Carbon Monoxide (CO) Emission Reduction Tables for Calendar Year 2024-2026.

The document provides updated CO emission reductions for stakeholders to calculate CO emission benefits from light-duty projects. Vehicle emission reductions are calculated based on updated emission factors from the on-road Emission FACtor (EMFAC) 2021 model, version 1.0.2.

**Table 1: Retired Gasoline-Powered Vehicle Emission Reduction
(lbs/3 yr)**

Model Year	CO Exhaust 2024	CO Exhaust 2025	CO Exhaust 2026
pre-1980	1489.3	-	-
1980	1285.9	883.9	-
1981	904.3	861.4	841.2
1982	883.1	783.7	718.6
1983	748.5	1015.6	834.9
1984	859.0	800.4	704.6
1985	724.3	735.0	703.7
1986	727.6	724.4	652.8
1987	682.5	576.5	571.2
1988	606.2	660.5	595.1
1989	629.7	668.0	593.4
1990	626.1	687.9	622.3
1991	654.9	629.9	649.5
1992	682.1	674.2	633.5
1993	663.0	679.9	631.1
1994	660.3	642.6	566.6
1995	591.2	543.4	525.8
1996	549.9	501.9	443.9
1997	460.4	400.2	363.6
1998	373.9	290.3	270.9
1999	273.5	208.0	187.2
2000	183.1	197.5	188.6
2001	183.4	206.8	195.9
2002	189.6	230.0	213.0
2003	205.4	61.9	62.9

Source: EMFAC2021 v1.0.2

**Table 2: Retired Diesel-Powered Vehicle Emission Reduction
(lbs/3 yr)**

Model Year	CO Exhaust 2024	CO Exhaust 2025	CO Exhaust 2026
pre-1980	18.1	-	-
1980	18.1	17.1	-
1981	17.6	17.1	20.9
1982	21.7	21.3	20.9
1983	20.7	20.2	19.9
1984	36.9	36.0	35.2
1985	37.0	36.4	35.4
1986	36.4	36.6	37.3
1987	42.7	41.6	40.4
1988	45.4	45.6	45.8
1989	46.9	47.2	47.4
1990	47.4	47.6	47.8
1991	52.9	53.0	52.9
1992	54.3	54.4	54.4
1993	53.8	54.0	54.1
1994	53.7	53.8	53.9
1995	55.6	55.9	56.0
1996	57.5	57.8	57.9
1997	59.4	59.7	59.8
1998	58.1	58.4	58.8
1999	62.4	62.7	62.8
2000	64.3	64.6	64.7
2001	65.9	66.3	66.3
2002	67.6	68.1	68.4
2003	68.7	69.4	69.8
2004	65.9	66.8	67.6
2005	63.7	64.9	66.0
2006	65.2	66.5	67.7

Source: EMFAC2021 v1.0.2