

Appendix: Value of Carbon

**U.S Social Cost of Carbon Dioxide by Discount Rate, Adjusted for New York State (2020\$ per metric ton of CO<sub>2</sub>)**

Emissions Year	Recommended Range of Discount Rates			
	3% Average	2% Average (Central Rate)	1% Average	0% Average
2020	51	121	406	2,130
2021	52	123	409	2,125
2022	53	124	411	2,119
2023	54	126	414	2,114
2024	55	128	416	2,108
2025	56	129	418	2,103
2026	57	131	421	2,098
2027	59	132	423	2,093
2028	60	134	426	2,088
2029	61	136	428	2,083
2030	62	137	430	2,077
2031	63	139	433	2,072
2032	64	141	435	2,067
2033	65	142	437	2,061
2034	66	144	440	2,056
2035	67	146	442	2,050
2036	69	147	444	2,045
2037	70	149	446	2,040
2038	71	151	449	2,035
2039	72	152	451	2,030
2040	73	154	453	2,024
2041	74	156	456	2,020
2042	75	158	459	2,015
2043	77	160	461	2,011
2044	78	162	464	2,006
2045	79	164	467	2,002
2046	80	166	469	1,995
2047	81	167	471	1,989
2048	82	169	472	1,983
2049	84	170	474	1,976
2050	85	172	476	1,970

See DEC (2020) "Establishing a Value of Carbon"

Appendix: Value of Carbon

**U.S. Social Cost of Methane by Discount Rate, Adjusted for New York State  
(2020\$ per metric ton of CH<sub>4</sub>)**

Emissions Year	Recommended Range of Discount Rates			
	3% Average	2% Average (Central Rate)	1% Average	0% Average
2020	1,500	2,700	6,400	23,000
2021	1,500	2,800	6,400	24,000
2022	1,600	2,800	6,500	24,000
2023	1,600	2,900	6,600	24,000
2024	1,700	2,900	6,700	24,000
2025	1,700	3,000	6,800	24,000
2026	1,800	3,100	6,900	24,000
2027	1,800	3,100	7,000	24,000
2028	1,900	3,200	7,100	24,000
2029	1,900	3,300	7,200	24,000
2030	2,000	3,400	7,300	24,000
2031	2,000	3,400	7,400	25,000
2032	2,100	3,500	7,500	25,000
2033	2,100	3,600	7,700	25,000
2034	2,200	3,600	7,800	25,000
2035	2,200	3,700	7,900	25,000
2036	2,300	3,800	8,000	25,000
2037	2,300	3,900	8,100	25,000
2038	2,400	3,900	8,200	25,000
2039	2,500	4,000	8,300	25,000
2040	2,500	4,100	8,400	26,000
2041	2,600	4,200	8,500	26,000
2042	2,600	4,200	8,600	26,000
2043	2,700	4,300	8,700	26,000
2044	2,700	4,400	8,800	26,000
2045	2,800	4,500	8,900	26,000
2046	2,800	4,500	9,000	26,000
2047	2,900	4,600	9,100	26,000
2048	3,000	4,700	9,200	26,000
2049	3,000	4,800	9,300	26,000
2050	3,100	4,800	9,400	26,000

See DEC (2020) "Establishing a Value of Carbon"

Appendix: Value of Carbon

**U.S. Social Cost of Nitrous Oxide by Discount Rate, Adjusted for New York State (2020\$ per metric ton of N2O)**

Emissions Year	Recommended Range of Discount Rates			0% Average
	3% Average	2% Average (Central Rate)	1% Average	
2020	18,000	42,000	130,000	660,000
2021	19,000	43,000	140,000	660,000
2022	19,000	44,000	140,000	660,000
2023	20,000	45,000	140,000	660,000
2024	20,000	45,000	140,000	660,000
2025	21,000	46,000	140,000	660,000
2026	21,000	47,000	140,000	660,000
2027	21,000	47,000	140,000	660,000
2028	22,000	48,000	140,000	670,000
2029	22,000	49,000	150,000	670,000
2030	23,000	50,000	150,000	670,000
2031	23,000	50,000	150,000	670,000
2032	24,000	51,000	150,000	670,000
2033	24,000	52,000	150,000	670,000
2034	25,000	53,000	150,000	670,000
2035	25,000	54,000	150,000	670,000
2036	26,000	54,000	160,000	670,000
2037	26,000	55,000	160,000	670,000
2038	27,000	56,000	160,000	680,000
2039	27,000	57,000	160,000	680,000
2040	28,000	58,000	160,000	680,000
2041	28,000	58,000	160,000	680,000
2042	29,000	59,000	160,000	680,000
2043	29,000	60,000	170,000	680,000
2044	30,000	61,000	170,000	680,000
2045	30,000	61,000	170,000	680,000
2046	31,000	62,000	170,000	680,000
2047	31,000	63,000	170,000	680,000
2048	32,000	64,000	170,000	680,000
2049	32,000	65,000	170,000	680,000
2050	33,000	66,000	170,000	680,000

See DEC (2020) "Establishing a Value of Carbon"