

## Appendix: Annual Social Cost Estimates

### 2023 Update, NYS Value of Carbon Guidance

The following tables provide the U.S. Social Cost of Greenhouse Gases (SC-GHG) values adjusted for New York State as described in the DEC (2020) Value of Carbon guidance. Model outputs for each 5-year interval 2020-2050 have been rounded to two decimal points and annualized by averaging between intervals.

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Table A1: Social cost of carbon dioxide (CO<sub>2</sub>), 2020-2050 (in 2020 dollars per metric ton CO<sub>2</sub>)

Year	Discount Rate			
	3%	2%	1%	0%
2020	53.43	125.41	420.92	2,205.80
2021	53.43	127.08	423.38	2,200.19
2022	54.71	128.75	425.84	2,194.58
2023	55.98	130.42	428.29	2,188.97
2024	57.25	132.09	430.75	2,183.35
2025	58.52	133.75	433.21	2,177.74
2026	59.80	135.46	435.70	2,172.44
2027	61.07	137.17	438.19	2,167.15
2028	62.34	138.88	440.68	2,161.85
2029	62.34	140.59	443.16	2,156.55
2030	63.61	142.30	445.65	2,151.25
2031	64.88	144.01	448.02	2,145.66
2032	66.16	145.72	450.40	2,140.07
2033	67.43	147.44	452.77	2,134.48
2034	68.70	149.15	455.14	2,128.89
2035	69.97	150.86	457.52	2,123.30
2036	71.25	152.60	459.89	2,117.90
2037	72.52	154.35	462.26	2,112.50
2038	73.79	156.09	464.64	2,107.11
2039	75.06	157.83	467.01	2,101.71
2040	76.33	159.57	469.39	2,096.32
2041	77.61	161.62	472.20	2,091.59
2042	77.61	163.67	475.01	2,086.86
2043	78.88	165.72	477.82	2,082.13
2044	80.15	167.78	480.63	2,077.40
2045	81.42	169.83	483.44	2,072.67
2046	82.70	171.47	485.38	2,066.12
2047	83.97	173.11	487.33	2,059.56
2048	85.24	174.75	489.27	2,053.00
2049	86.51	176.40	491.21	2,046.45
2050	87.78	178.04	493.16	2,039.89

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

Table A2: Social cost of methane (CH<sub>4</sub>), 2020-2050 (in 2020 dollars per metric ton CH<sub>4</sub>)

Year	Discount Rate			
	3%	2%	1%	0%
2020	1,526.68	2,782.39	6,578.26	24,279.83
2021	1,526.68	2,848.42	6,676.07	24,373.36
2022	1,653.91	2,914.44	6,773.88	24,466.89
2023	1,653.91	2,980.47	6,871.69	24,560.42
2024	1,781.13	3,046.50	6,969.50	24,653.95
2025	1,781.13	3,112.53	7,067.31	24,747.48
2026	1,781.13	3,184.26	7,174.71	24,865.78
2027	1,908.35	3,255.99	7,282.11	24,984.08
2028	1,908.35	3,327.72	7,389.51	25,102.37
2029	2,035.58	3,399.46	7,496.91	25,220.67
2030	2,035.58	3,471.19	7,604.31	25,338.97
2031	2,035.58	3,546.60	7,711.17	25,443.37
2032	2,162.80	3,622.01	7,818.03	25,547.77
2033	2,162.80	3,697.42	7,924.90	25,652.17
2034	2,290.03	3,772.83	8,031.76	25,756.58
2035	2,290.03	3,848.24	8,138.62	25,860.98
2036	2,417.25	3,928.56	8,252.31	25,978.92
2037	2,417.25	4,008.88	8,366.00	26,096.86
2038	2,544.47	4,089.20	8,479.68	26,214.81
2039	2,544.47	4,169.51	8,593.37	26,332.75
2040	2,544.47	4,249.83	8,707.06	26,450.69
2041	2,671.70	4,323.91	8,809.43	26,548.44
2042	2,671.70	4,397.99	8,911.80	26,646.19
2043	2,798.92	4,472.06	9,014.17	26,743.93
2044	2,798.92	4,546.14	9,116.54	26,841.68
2045	2,926.14	4,620.22	9,218.91	26,939.43
2046	2,926.14	4,696.42	9,318.22	27,012.59
2047	3,053.37	4,772.62	9,417.53	27,085.75
2048	3,053.37	4,848.82	9,516.85	27,158.91
2049	3,180.59	4,925.02	9,616.16	27,232.07
2050	3,180.59	5,001.22	9,715.48	27,305.23

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

Table A3: Social cost of nitrous oxide (N<sub>2</sub>O), 2020-2050 (in 2020 dollars per metric ton N<sub>2</sub>O)

Year	Discount Rate			
	3%	2%	1%	0%
2020	19,083.55	44,726.93	140,765.69	683,805.96
2021	19,083.55	45,425.59	142,030.60	684,725.57
2022	20,355.79	46,124.25	143,295.52	685,645.17
2023	20,355.79	46,822.92	144,560.43	686,564.78
2024	20,355.79	47,521.58	145,825.34	687,484.38
2025	21,628.02	48,220.24	147,090.25	688,403.99
2026	21,628.02	48,958.38	148,408.61	689,382.51
2027	21,628.02	49,696.52	149,726.96	690,361.04
2028	22,900.26	50,434.66	151,045.32	691,339.56
2029	22,900.26	51,172.80	152,363.68	692,318.09
2030	24,172.50	51,910.94	153,682.04	693,296.62
2031	24,172.50	52,663.35	154,997.56	694,184.96
2032	24,172.50	53,415.77	156,313.08	695,073.30
2033	25,444.73	54,168.18	157,628.61	695,961.64
2034	25,444.73	54,920.59	158,944.13	696,849.99
2035	26,716.97	55,673.00	160,259.66	697,738.33
2036	26,716.97	56,456.24	161,588.46	698,488.07
2037	26,716.97	57,239.47	162,917.27	699,237.80
2038	27,989.21	58,022.70	164,246.07	699,987.54
2039	27,989.21	58,805.93	165,574.87	700,737.28
2040	29,261.44	59,589.16	166,903.68	701,487.01
2041	29,261.44	60,405.80	168,257.92	702,244.16
2042	29,261.44	61,222.44	169,612.16	703,001.30
2043	30,533.68	62,039.09	170,966.39	703,758.44
2044	30,533.68	62,855.73	172,320.63	704,515.58
2045	31,805.92	63,672.37	173,674.87	705,272.73
2046	31,805.92	64,522.93	175,055.50	705,975.04
2047	33,078.15	65,373.50	176,436.12	706,677.36
2048	33,078.15	66,224.06	177,816.75	707,379.68
2049	33,078.15	67,074.63	179,197.37	708,082.00
2050	34,350.39	67,925.19	180,577.99	708,784.32

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

Table A4: Social cost of HFC-125, 2020-2050 (in 2020 dollars per metric ton HFC-125)

Year	Discount Rate			
	3%	2%	1%	0%
2020	212,148.05	412,381.77	1,036,559.21	3,960,590.50
2021	218,368.07	421,813.69	1,052,113.72	3,982,416.16
2022	224,588.08	431,245.61	1,067,668.24	4,004,241.82
2023	230,808.10	440,677.52	1,083,222.76	4,026,067.48
2024	237,028.12	450,109.44	1,098,777.27	4,047,893.14
2025	243,248.13	459,541.36	1,114,331.79	4,069,718.80
2026	249,933.06	469,604.32	1,130,698.27	4,092,093.77
2027	256,617.99	479,667.28	1,147,064.75	4,114,468.74
2028	263,302.93	489,730.24	1,163,431.23	4,136,843.70
2029	269,987.86	499,793.20	1,179,797.72	4,159,218.67
2030	276,672.79	509,856.16	1,196,164.20	4,181,593.64
2031	283,893.58	520,244.98	1,212,220.76	4,201,615.03
2032	291,114.37	530,633.79	1,228,277.33	4,221,636.41
2033	298,335.15	541,022.60	1,244,333.90	4,241,657.80
2034	305,555.94	551,411.42	1,260,390.47	4,261,679.19
2035	312,776.73	561,800.23	1,276,447.04	4,281,700.57
2036	320,596.84	573,176.22	1,294,659.89	4,309,630.77
2037	328,416.94	584,552.21	1,312,872.74	4,337,560.97
2038	336,237.04	595,928.20	1,331,085.59	4,365,491.17
2039	344,057.14	607,304.19	1,349,298.44	4,393,421.37
2040	351,877.25	618,680.18	1,367,511.29	4,421,351.57
2041	359,718.92	629,580.52	1,384,138.32	4,444,656.21
2042	367,560.59	640,480.86	1,400,765.35	4,467,960.86
2043	375,402.26	651,381.19	1,417,392.38	4,491,265.50
2044	383,243.92	662,281.53	1,434,019.41	4,514,570.14
2045	391,085.59	673,181.87	1,450,646.44	4,537,874.79
2046	399,314.73	684,403.96	1,466,636.71	4,553,095.31
2047	407,543.86	695,626.05	1,482,626.98	4,568,315.84
2048	415,772.99	706,848.14	1,498,617.25	4,583,536.36
2049	424,002.13	718,070.23	1,514,607.52	4,598,756.89
2050	432,231.26	729,292.32	1,530,597.79	4,613,977.41

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

Table A5: Social cost of HFC-134a, 2020-2050 (in 2020 dollars per metric ton HFC-134a)

Year	Discount Rate			
	3%	2%	1%	0%
2020	87,578.65	160,376.46	382,580.22	1,421,550.02
2021	90,480.56	164,632.90	389,438.18	1,431,933.09
2022	93,382.46	168,889.35	396,296.14	1,442,316.17
2023	96,284.36	173,145.80	403,154.09	1,452,699.25
2024	99,186.27	177,402.24	410,012.05	1,463,082.33
2025	102,088.17	181,658.69	416,870.01	1,473,465.41
2026	105,240.81	186,274.32	424,312.23	1,485,092.21
2027	108,393.45	190,889.95	431,754.45	1,496,719.01
2028	111,546.09	195,505.58	439,196.66	1,508,345.81
2029	114,698.73	200,121.22	446,638.88	1,519,972.61
2030	117,851.37	204,736.85	454,081.10	1,531,599.41
2031	121,284.47	209,521.67	461,315.21	1,541,518.79
2032	124,717.57	214,306.49	468,549.32	1,551,438.18
2033	128,150.67	219,091.32	475,783.43	1,561,357.57
2034	131,583.77	223,876.14	483,017.54	1,571,276.96
2035	135,016.87	228,660.96	490,251.65	1,581,196.35
2036	138,696.92	233,755.12	497,807.84	1,590,844.79
2037	142,376.96	238,849.27	505,364.02	1,600,493.23
2038	146,057.01	243,943.43	512,920.20	1,610,141.67
2039	149,737.06	249,037.59	520,476.39	1,619,790.11
2040	153,417.10	254,131.74	528,032.57	1,629,438.55
2041	157,033.65	258,910.98	534,721.71	1,636,726.26
2042	160,650.20	263,690.22	541,410.85	1,644,013.97
2043	164,266.75	268,469.46	548,099.99	1,651,301.68
2044	167,883.30	273,248.70	554,789.14	1,658,589.39
2045	171,499.85	278,027.94	561,478.28	1,665,877.10
2046	175,333.04	283,048.26	568,291.20	1,672,160.53
2047	179,166.23	288,068.59	575,104.12	1,678,443.96
2048	182,999.42	293,088.91	581,917.04	1,684,727.39
2049	186,832.61	298,109.23	588,729.95	1,691,010.82
2050	190,665.80	303,129.55	595,542.87	1,697,294.25

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

Table A6: Social cost of HFC-143a, 2020-2050 (in 2020 dollars per metric ton HFC-143a)

Year	Discount Rate			
	3%	2%	1%	0%
2020	268,971.96	560,361.37	1,530,523.55	6,326,251.88
2021	276,213.51	571,930.16	1,551,398.47	6,362,134.03
2022	283,455.05	583,498.95	1,572,273.39	6,398,016.19
2023	290,696.60	595,067.74	1,593,148.32	6,433,898.34
2024	297,938.15	606,636.53	1,614,023.24	6,469,780.49
2025	305,179.69	618,205.32	1,634,898.16	6,505,662.65
2026	312,873.40	630,267.85	1,655,500.72	6,533,052.42
2027	320,567.11	642,330.38	1,676,103.28	6,560,442.19
2028	328,260.82	654,392.91	1,696,705.84	6,587,831.95
2029	335,954.52	666,455.44	1,717,308.40	6,615,221.72
2030	343,648.23	678,517.97	1,737,910.96	6,642,611.49
2031	351,900.04	690,886.33	1,758,107.96	6,667,235.39
2032	360,151.85	703,254.68	1,778,304.95	6,691,859.28
2033	368,403.66	715,623.03	1,798,501.95	6,716,483.17
2034	376,655.47	727,991.39	1,818,698.95	6,741,107.07
2035	384,907.28	740,359.74	1,838,895.95	6,765,730.96
2036	393,674.31	753,409.79	1,859,771.97	6,789,400.28
2037	402,441.34	766,459.84	1,880,647.99	6,813,069.61
2038	411,208.37	779,509.88	1,901,524.01	6,836,738.93
2039	419,975.40	792,559.93	1,922,400.03	6,860,408.25
2040	428,742.42	805,609.98	1,943,276.05	6,884,077.58
2041	437,768.60	818,502.77	1,963,171.17	6,904,996.89
2042	446,794.77	831,395.57	1,983,066.29	6,925,916.20
2043	455,820.94	844,288.36	2,002,961.41	6,946,835.52
2044	464,847.11	857,181.15	2,022,856.53	6,967,754.83
2045	473,873.28	870,073.95	2,042,751.65	6,988,674.14
2046	483,413.69	883,656.66	2,063,441.35	7,009,814.07
2047	492,954.10	897,239.37	2,084,131.05	7,030,954.00
2048	502,494.51	910,822.08	2,104,820.75	7,052,093.93
2049	512,034.92	924,404.79	2,125,510.45	7,073,233.85
2050	521,575.34	937,987.50	2,146,200.16	7,094,373.78

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

Table A7: Social cost of HFC-32, 2020-2050 (in 2020 dollars per metric ton HFC-32)

Year	Discount Rate			
	3%	2%	1%	0%
2020	38,606.83	68,248.04	159,737.46	595,939.89
2021	39,993.75	70,210.42	162,776.89	600,208.16
2022	41,380.67	72,172.79	165,816.32	604,476.43
2023	42,767.59	74,135.17	168,855.75	608,744.70
2024	44,154.51	76,097.54	171,895.18	613,012.97
2025	45,541.43	78,059.92	174,934.60	617,281.24
2026	47,041.91	80,163.13	178,135.38	621,621.44
2027	48,542.40	82,266.35	181,336.16	625,961.63
2028	50,042.89	84,369.56	184,536.93	630,301.83
2029	51,543.38	86,472.77	187,737.71	634,642.02
2030	53,043.87	88,575.99	190,938.48	638,982.22
2031	54,824.53	90,989.41	194,467.47	643,588.57
2032	56,605.18	93,402.83	197,996.46	648,194.91
2033	58,385.84	95,816.26	201,525.45	652,801.26
2034	60,166.50	98,229.68	205,054.44	657,407.61
2035	61,947.16	100,643.10	208,583.42	662,013.95
2036	63,851.86	103,217.50	212,344.92	667,099.65
2037	65,756.57	105,791.89	216,106.41	672,185.35
2038	67,661.27	108,366.29	219,867.90	677,271.05
2039	69,565.98	110,940.68	223,629.39	682,356.74
2040	71,470.68	113,515.08	227,390.88	687,442.44
2041	73,521.82	116,159.70	231,009.30	691,584.25
2042	75,572.96	118,804.32	234,627.72	695,726.05
2043	77,624.10	121,448.94	238,246.13	699,867.86
2044	79,675.24	124,093.57	241,864.55	704,009.67
2045	81,726.38	126,738.19	245,482.97	708,151.47
2046	83,904.30	129,543.57	249,312.08	712,609.25
2047	86,082.22	132,348.94	253,141.20	717,067.03
2048	88,260.14	135,154.32	256,970.31	721,524.81
2049	90,438.06	137,959.70	260,799.42	725,982.59
2050	92,615.98	140,765.08	264,628.53	730,440.37

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



Table A8: Social cost of HFC-152a, 2020-2050 (in 2020 dollars per metric ton HFC-152a)

Year	Discount Rate			
	3%	2%	1%	0%
2020	5,388.14	9,478.99	22,415.04	86,259.85
2021	5,583.49	9,752.35	22,833.45	86,806.94
2022	5,778.83	10,025.71	23,251.86	87,354.02
2023	5,974.18	10,299.07	23,670.27	87,901.11
2024	6,169.53	10,572.43	24,088.68	88,448.20
2025	6,364.88	10,845.79	24,507.09	88,995.28
2026	6,576.88	11,140.42	24,953.55	89,583.36
2027	6,788.87	11,435.04	25,400.01	90,171.44
2028	7,000.86	11,729.67	25,846.47	90,759.52
2029	7,212.86	12,024.29	26,292.93	91,347.60
2030	7,424.85	12,318.92	26,739.39	91,935.67
2031	7,679.62	12,660.58	27,228.02	92,490.91
2032	7,934.38	13,002.25	27,716.64	93,046.15
2033	8,189.15	13,343.91	28,205.26	93,601.38
2034	8,443.91	13,685.57	28,693.88	94,156.62
2035	8,698.68	14,027.24	29,182.51	94,711.85
2036	8,971.31	14,392.75	29,711.54	95,394.98
2037	9,243.93	14,758.27	30,240.57	96,078.12
2038	9,516.56	15,123.78	30,769.60	96,761.25
2039	9,789.19	15,489.30	31,298.63	97,444.38
2040	10,061.82	15,854.81	31,827.66	98,127.51
2041	10,391.18	16,284.75	32,440.24	98,984.81
2042	10,720.54	16,714.69	33,052.82	99,842.10
2043	11,049.90	17,144.62	33,665.39	100,699.40
2044	11,379.27	17,574.56	34,277.97	101,556.70
2045	11,708.63	18,004.50	34,890.55	102,413.99
2046	12,056.16	18,455.81	35,520.86	103,227.41
2047	12,403.68	18,907.12	36,151.17	104,040.83
2048	12,751.21	19,358.44	36,781.48	104,854.24
2049	13,098.73	19,809.75	37,411.79	105,667.66
2050	13,446.26	20,261.06	38,042.11	106,481.08

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

Table A9: Social cost of HFC-227ea, 2020-2050 (in 2020 dollars per metric ton HFC-227ea)

Year	Discount Rate			
	3%	2%	1%	0%
2020	194,270.73	384,623.52	986,579.25	3,833,077.81
2021	199,815.41	393,118.88	1,000,769.63	3,853,290.66
2022	205,360.09	401,614.25	1,014,960.01	3,873,503.52
2023	210,904.77	410,109.62	1,029,150.39	3,893,716.38
2024	216,449.45	418,604.99	1,043,340.77	3,913,929.24
2025	221,994.13	427,100.35	1,057,531.15	3,934,142.10
2026	227,935.82	436,103.22	1,072,140.61	3,952,573.17
2027	233,877.52	445,106.09	1,086,750.06	3,971,004.24
2028	239,819.22	454,108.96	1,101,359.52	3,989,435.32
2029	245,760.91	463,111.83	1,115,968.98	4,007,866.39
2030	251,702.61	472,114.70	1,130,578.44	4,026,297.46
2031	258,106.55	481,402.87	1,145,012.17	4,043,437.30
2032	264,510.49	490,691.05	1,159,445.90	4,060,577.13
2033	270,914.44	499,979.22	1,173,879.63	4,077,716.97
2034	277,318.38	509,267.40	1,188,313.36	4,094,856.80
2035	283,722.32	518,555.57	1,202,747.09	4,111,996.64
2036	290,583.22	528,530.46	1,218,410.34	4,132,642.71
2037	297,444.11	538,505.35	1,234,073.59	4,153,288.78
2038	304,305.00	548,480.23	1,249,736.85	4,173,934.85
2039	311,165.89	558,455.12	1,265,400.10	4,194,580.92
2040	318,026.78	568,430.01	1,281,063.36	4,215,226.99
2041	324,942.03	578,033.35	1,295,405.49	4,231,923.22
2042	331,857.27	587,636.69	1,309,747.63	4,248,619.46
2043	338,772.51	597,240.03	1,324,089.77	4,265,315.69
2044	345,687.76	606,843.36	1,338,431.90	4,282,011.92
2045	352,603.00	616,446.70	1,352,774.04	4,298,708.16
2046	359,954.55	626,630.26	1,367,798.69	4,315,502.53
2047	367,306.10	636,813.82	1,382,823.34	4,332,296.90
2048	374,657.65	646,997.38	1,397,847.99	4,349,091.27
2049	382,009.21	657,180.94	1,412,872.64	4,365,885.65
2050	389,360.76	667,364.50	1,427,897.29	4,382,680.02

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

Table A10: Social cost of HFC-236fa, 2020-2050 (in 2020 dollars per metric ton HFC-236fa)

Year	Discount Rate			
	3%	2%	1%	0%
2020	640,137.76	1,604,171.58	5,713,622.51	27,489,570.34
2021	654,784.67	1,630,187.73	5,764,319.67	27,498,450.11
2022	669,431.58	1,656,203.88	5,815,016.82	27,507,329.88
2023	684,078.49	1,682,220.03	5,865,713.98	27,516,209.65
2024	698,725.40	1,708,236.18	5,916,411.14	27,525,089.43
2025	713,372.32	1,734,252.33	5,967,108.30	27,533,969.20
2026	728,934.02	1,761,568.73	6,018,980.15	27,540,477.25
2027	744,495.72	1,788,885.13	6,070,852.00	27,546,985.30
2028	760,057.42	1,816,201.53	6,122,723.85	27,553,493.35
2029	775,619.13	1,843,517.94	6,174,595.69	27,560,001.40
2030	791,180.83	1,870,834.34	6,226,467.54	27,566,509.45
2031	807,883.45	1,899,061.97	6,278,208.86	27,569,771.27
2032	824,586.07	1,927,289.61	6,329,950.18	27,573,033.10
2033	841,288.69	1,955,517.24	6,381,691.50	27,576,294.92
2034	857,991.31	1,983,744.87	6,433,432.81	27,579,556.74
2035	874,693.93	2,011,972.51	6,485,174.13	27,582,818.56
2036	892,346.65	2,041,482.27	6,537,857.27	27,583,263.62
2037	909,999.36	2,070,992.04	6,590,540.41	27,583,708.67
2038	927,652.08	2,100,501.80	6,643,223.54	27,584,153.72
2039	945,304.80	2,130,011.56	6,695,906.68	27,584,598.77
2040	962,957.52	2,159,521.33	6,748,589.82	27,585,043.82
2041	981,362.10	2,189,296.68	6,800,135.49	27,580,904.27
2042	999,766.69	2,219,072.03	6,851,681.16	27,576,764.72
2043	1,018,171.27	2,248,847.38	6,903,226.83	27,572,625.16
2044	1,036,575.85	2,278,622.73	6,954,772.51	27,568,485.61
2045	1,054,980.44	2,308,398.08	7,006,318.18	27,564,346.06
2046	1,074,201.62	2,339,101.76	7,057,614.02	27,552,971.50
2047	1,093,422.81	2,369,805.44	7,108,909.85	27,541,596.95
2048	1,112,644.00	2,400,509.12	7,160,205.69	27,530,222.40
2049	1,131,865.19	2,431,212.80	7,211,501.53	27,518,847.84
2050	1,151,086.37	2,461,916.48	7,262,797.37	27,507,473.29

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

Table A11: Social cost of sulfur hexafluoride (SF6), 2020-2050 (in 2020 dollars per metric ton SF6)

Year	Discount Rate			
	3%	2%	1%	0%
2020	1,652,241.63	4,478,900.56	17,799,508.10	110,210,122.96
2021	1,688,863.98	4,550,046.46	17,983,888.29	110,900,033.43
2022	1,725,486.33	4,621,192.35	18,168,268.48	111,589,943.90
2023	1,762,108.69	4,692,338.25	18,352,648.68	112,279,854.37
2024	1,798,731.04	4,763,484.15	18,537,028.87	112,969,764.84
2025	1,835,353.40	4,834,630.05	18,721,409.07	113,659,675.31
2026	1,875,517.50	4,913,802.34	18,927,819.36	114,420,697.96
2027	1,915,681.61	4,992,974.63	19,134,229.64	115,181,720.61
2028	1,955,845.72	5,072,146.91	19,340,639.93	115,942,743.26
2029	1,996,009.83	5,151,319.20	19,547,050.22	116,703,765.91
2030	2,036,173.93	5,230,491.49	19,753,460.50	117,464,788.56
2031	2,079,897.05	5,313,961.29	19,966,159.12	118,215,585.08
2032	2,123,620.17	5,397,431.09	20,178,857.74	118,966,381.59
2033	2,167,343.29	5,480,900.90	20,391,556.36	119,717,178.10
2034	2,211,066.41	5,564,370.70	20,604,254.99	120,467,974.62
2035	2,254,789.53	5,647,840.50	20,816,953.61	121,218,771.13
2036	2,298,858.44	5,729,131.09	21,014,016.39	121,872,086.04
2037	2,342,927.34	5,810,421.68	21,211,079.18	122,525,400.95
2038	2,386,996.25	5,891,712.26	21,408,141.97	123,178,715.86
2039	2,431,065.16	5,973,002.85	21,605,204.76	123,832,030.77
2040	2,475,134.07	6,054,293.44	21,802,267.55	124,485,345.68
2041	2,522,264.49	6,138,963.28	22,004,374.66	125,124,829.49
2042	2,569,394.91	6,223,633.12	22,206,481.78	125,764,313.30
2043	2,616,525.33	6,308,302.96	22,408,588.90	126,403,797.12
2044	2,663,655.75	6,392,972.80	22,610,696.02	127,043,280.93
2045	2,710,786.17	6,477,642.64	22,812,803.13	127,682,764.74
2046	2,759,624.71	6,564,512.26	23,016,089.19	128,305,623.85
2047	2,808,463.25	6,651,381.87	23,219,375.25	128,928,482.95
2048	2,857,301.79	6,738,251.49	23,422,661.31	129,551,342.06
2049	2,906,140.33	6,825,121.10	23,625,947.36	130,174,201.16
2050	2,954,978.87	6,911,990.72	23,829,233.42	130,797,060.27

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