

Discount Rate										2.50%	2.50%
Sum	Tons	4,320	(32,545)	(28,225)	2,889	0	2,889	-	-	-	-
NPV	\$ million									\$2,466	(\$7)

	CO2 Emissions Additions	CO2 Emissions Reductions	CO2 Emissions Net	CH4 Emissions Additions	CH4 Emissions Reductions	CH4 Emissions Net	Cost of CO2 Net	Cost of CH4 Net	Benefits of Net SCC - CO2	Benefits of Net SCM - CH4
Unit	Thousands of Short Tons / Year	Thousands of Short Tons / Year	Thousands of Short Tons / Year	Short Tons / Year	Short Tons / Year	Short Tons / Year	\$/Short Ton	\$/Short Ton	\$mm / year	\$ / year
Source	CBA, Brattle data	CBA, Brattle data	Calculation	CBA, Brattle data	CBA, Brattle data	Calculation	Input SCC Tab	Input SCC Tab	Calculation	Calculation
2024	307	(561)	(254)	51	0	51	\$80	\$2,136	\$20	(\$109,053)
2025	340	(741)	(401)	69	0	69	\$83	\$2,234	\$33	(\$154,182)
2026	267	(949)	(682)	92	0	92	\$86	\$2,335	\$59	(\$215,431)
2027	298	(1,167)	(870)	116	0	116	\$89	\$2,440	\$78	(\$283,717)
2028	325	(1,377)	(1,052)	139	0	139	\$92	\$2,548	\$97	(\$354,702)
2029	287	(1,633)	(1,346)	162	0	162	\$96	\$2,659	\$129	(\$430,817)
2030	299	(1,909)	(1,610)	190	0	190	\$99	\$2,773	\$159	(\$527,894)
2031	236	(1,903)	(1,667)	190	0	190	\$102	\$2,901	\$171	(\$550,441)
2032	236	(1,893)	(1,658)	190	0	190	\$106	\$3,032	\$176	(\$575,582)
2033	229	(1,885)	(1,656)	189	0	189	\$110	\$3,168	\$182	(\$599,422)
2034	222	(1,877)	(1,655)	188	0	188	\$114	\$3,308	\$188	(\$620,706)
2035	207	(1,868)	(1,661)	186	0	186	\$118	\$3,452	\$195	(\$641,089)
2036	179	(1,861)	(1,681)	169	0	169	\$122	\$3,600	\$204	(\$609,992)
2037	167	(1,856)	(1,689)	165	0	165	\$126	\$3,754	\$212	(\$618,315)
2038	163	(1,852)	(1,688)	157	0	157	\$130	\$3,911	\$220	(\$614,723)
2039	151	(1,845)	(1,694)	149	0	149	\$134	\$4,074	\$228	(\$608,494)
2040	144	(1,845)	(1,702)	131	0	131	\$139	\$4,242	\$237	(\$555,122)
2041	107	(1,843)	(1,735)	123	0	123	\$144	\$4,413	\$249	(\$544,892)
2042	85	(1,841)	(1,756)	116	0	116	\$148	\$4,590	\$261	(\$532,024)
2043	71	(1,840)	(1,769)	116	0	116	\$153	\$4,772	\$271	(\$551,490)

Metric	Unit	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
SCC as published (Feb 2021 TSD, 2.5% discount rate average value, in 2020\$ per metric ton)	2020 \$/ Metric Tonne	\$76.42	\$77.73	\$79.0	\$80.34	\$81.65	\$82.95	\$84.26	\$85.56	\$86.87	\$88.18	\$89.48	\$90.84	\$92.21
		2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
In nominal \$/metric ton (GDPIPD from 2007 to 2020; 2% escalator from 2020 on)	Nominal \$/ Metric Tonne	\$76.42	\$79.28	\$82.23	\$85.26	\$88.38	\$91.58	\$94.89	\$98.28	\$101.78	\$105.38	\$109.08	\$112.95	\$116.94
Growth			3.74%	3.71%	3.69%	3.66%	3.63%	3.61%	3.58%	3.56%	3.53%	3.51%	3.55%	3.53%
Metric Short Conversion	Metric tonnes / Short Ton	0.90718												
In nominal \$/short ton	Nominal \$/ Short Ton	\$69.33	\$71.92	\$74.59	\$77.34	\$80.17	\$83.08	\$86.08	\$89.16	\$92.33	\$95.60	\$98.95	\$102.47	\$106.09

2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
\$93.57	\$94.93	\$96.30	\$97.66	\$99.02	\$100.39	\$101.75	\$103.11	\$104.45	\$105.79	107.12
2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
\$121.04	\$125.26	\$129.60	\$134.07	\$138.66	\$143.38	\$148.23	\$153.22	\$158.31	\$163.54	\$168.92
3.51%	3.49%	3.46%	3.44%	3.42%	3.41%	3.38%	3.37%	3.32%	3.30%	3.29%
\$109.81	\$113.64	\$117.57	\$121.62	\$125.79	\$130.07	\$134.47	\$139.00	\$143.62	\$148.36	153.24

Metric	Unit	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
SCM as published (Feb 2021 TSD, 2.5% discount rate average value, in 2020\$ per metric ton)	2020 \$/ Metric Tonne	\$1,953.21	\$2,008.65	\$2,064.09	\$2,119.53	\$2,174.9700	\$2,230.41	\$2,285.85	\$2,341.29	\$2,396.73	\$2,452.17	\$2,507.61	\$2,571.51
		2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
In nominal \$/metric ton (GDPIPD from 2007 to 2020; 2% escalator from 2020 on)	Nominal \$/ Metric Tonne	\$1,953.21	\$2,048.82	\$2,147.48	\$2,249.26	\$2,354.26	\$2,462.55	\$2,574.24	\$2,689.41	\$2,808.15	\$2,930.57	\$3,056.77	\$3,197.35
Growth			4.90%	4.82%	4.74%	4.67%	4.60%	4.54%	4.47%	4.42%	4.36%	4.31%	4.60%
Metric Short Conversion	Metric tonnes / Short Ton	0.90718											
In nominal \$/short ton	Nominal \$/ Short Ton	\$1,771.92	\$1,858.66	\$1,948.16	\$2,040.49	\$2,135.74	\$2,233.99	\$2,335.31	\$2,439.79	\$2,547.51	\$2,658.57	\$2,773.05	\$2,900.58

2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
\$2,635.40	\$2,699.30	\$2,763.20	\$2,827.09	\$2,890.99	\$2,954.88	\$3,018.78	\$3,082.67	\$3,146.57	\$3,209.56	\$3,272.54	\$3,335.53
2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
\$3,342.33	\$3,491.83	\$3,645.98	\$3,804.89	\$3,968.70	\$4,137.55	\$4,311.56	\$4,490.87	\$4,675.64	\$4,864.62	\$5,059.28	\$5,259.79
4.53%	4.47%	4.41%	4.36%	4.31%	4.25%	4.21%	4.16%	4.11%	4.04%	4.00%	3.96%
\$3,032.11	\$3,167.73	\$3,307.57	\$3,451.74	\$3,600.35	\$3,753.52	\$3,911.38	\$4,074.05	\$4,241.66	\$4,413.10	\$4,589.70	\$4,771.60

year	5.0%_CO2	3.0%_CO2	2.5%_CO2	3% 95th Pc	5.0%_CH4	3.0%_CH4	2.5%_CH4	3% 95th Pc	5.0%_N2O	3.0%_N2O	2.5%_N2O	3% 95th Pct._N2O
2020	14	51	76	152	666	1,485	1,953	3,906	5,779	18,405	27,131	48,256
2021	15	52	78	155	693	1,532	2,009	4,035	5,981	18,842	27,688	49,464
2022	15	53	79	159	720	1,579	2,064	4,163	6,183	19,279	28,244	50,671
2023	16	54	80	162	747	1,626	2,120	4,292	6,385	19,717	28,801	51,879
2024	16	55	82	166	775	1,673	2,175	4,420	6,587	20,154	29,358	53,087
2025	17	56	83	169	802	1,720	2,230	4,548	6,789	20,591	29,914	54,295
2026	17	57	84	173	829	1,767	2,286	4,677	6,991	21,028	30,471	55,502
2027	18	59	86	176	856	1,814	2,341	4,805	7,193	21,465	31,028	56,710
2028	18	60	87	180	884	1,861	2,397	4,934	7,395	21,902	31,585	57,918
2029	19	61	88	183	911	1,908	2,452	5,062	7,597	22,339	32,141	59,125
2030	19	62	89	187	938	1,954	2,508	5,190	7,799	22,776	32,698	60,333
2031	20	63	91	191	972	2,010	2,572	5,344	8,047	23,268	33,309	61,692
2032	21	64	92	194	1,007	2,065	2,635	5,498	8,295	23,760	33,921	63,051
2033	21	65	94	198	1,041	2,121	2,699	5,652	8,542	24,252	34,532	64,410
2034	22	66	95	202	1,075	2,176	2,763	5,806	8,790	24,744	35,144	65,770
2035	22	67	96	206	1,110	2,231	2,827	5,959	9,038	25,236	35,755	67,129
2036	23	69	98	210	1,144	2,287	2,891	6,113	9,285	25,728	36,366	68,488
2037	23	70	99	213	1,179	2,342	2,955	6,267	9,533	26,219	36,978	69,847
2038	24	71	100	217	1,213	2,397	3,019	6,421	9,781	26,711	37,589	71,206
2039	25	72	102	221	1,247	2,453	3,083	6,574	10,029	27,203	38,201	72,565
2040	25	73	103	225	1,282	2,508	3,147	6,728	10,276	27,695	38,812	73,924
2041	26	74	104	228	1,319	2,564	3,210	6,873	10,567	28,225	39,456	75,349
2042	26	75	106	232	1,357	2,620	3,273	7,018	10,857	28,754	40,100	76,773
2043	27	77	107	235	1,394	2,676	3,336	7,162	11,147	29,283	40,745	78,197
2044	28	78	108	239	1,432	2,732	3,399	7,307	11,437	29,813	41,389	79,621
2045	28	79	110	242	1,469	2,788	3,462	7,452	11,727	30,342	42,033	81,045
2046	29	80	111	246	1,507	2,844	3,524	7,596	12,018	30,872	42,677	82,470
2047	30	81	112	249	1,544	2,900	3,587	7,741	12,308	31,401	43,321	83,894
2048	30	82	114	253	1,582	2,955	3,650	7,886	12,598	31,930	43,965	85,318
2049	31	84	115	256	1,619	3,011	3,713	8,031	12,888	32,460	44,610	86,742
2050	32	85	116	260	1,657	3,067	3,776	8,175	13,179	32,989	45,254	88,166