

SAGE Model Year	Incremental Cost input to SAGE (Excluding Transfers)	Transfer Change input to SAGE	General Equilibrium Social Costs
2016	0	0	0
2017	0	0	0
2018	0	0	0
2019	0	0	0
2020	0	0	0
2021	0	0	0
2022	0	0	0
2023	0	0	0
2024	1.753630098	0.121646044	-1.37068448
2025	1.753630098	0.121646044	-1.37068448
2026	1.753630098	0.121646044	-1.37068448
2027	1.753630098	0.121646044	-1.37068448
2028	1.753630098	0.121646044	-1.37068448
2029	0.383004376	-0.065038479	-1.522916329
2030	0.383004376	-0.065038479	-1.522916329
2031	0.383004376	-0.065038479	-1.522916329
2032	0.383004376	-0.065038479	-1.522916329
2033	0.383004376	-0.065038479	-1.522916329
2034	-7.378254109	5.764336299	-1.64591073
2035	-7.378254109	5.764336299	-1.64591073
2036	-7.378254109	5.764336299	-1.64591073
2037	-7.378254109	5.764336299	-1.64591073
2038	-7.378254109	5.764336299	-1.64591073
2039	-6.046169707	5.343995018	-1.771237612
2040	-6.046169707	5.343995018	-1.771237612
2041	-6.046169707	5.343995018	-1.771237612
2042	-6.046169707	5.343995018	-1.771237612
2043	-6.046169707	5.343995018	-1.771237612
2044	-2.340180825	-1.633188471	-1.912597567
2045	-2.340180825	-1.633188471	-1.912597567
2046	-2.340180825	-1.633188471	-1.912597567
2047	-2.340180825	-1.633188471	-1.912597567
2048	-2.340180825	-1.633188471	-1.912597567
2049	-1.134560132	-0.586550727	-2.071038828
2050	-1.134560132	-0.586550727	-2.071038828
2051	-1.134560132	-0.586550727	-2.071038828
2052	-1.134560132	-0.586550727	-2.071038828
2053	-1.134560132	-0.586550727	-2.071038828
2054	-0.885245963	-1.168283788	-2.236159568
2055	-0.885245963	-1.168283788	-2.236159568
2056	-0.885245963	-1.168283788	-2.236159568
2057	-0.885245963	-1.168283788	-2.236159568
2058	-0.885245963	-1.168283788	-2.236159568
2059	-0.885245963	-1.168283788	-2.408935883
2060	-0.885245963	-1.168283788	-2.408935883
2061	-0.885245963	-1.168283788	-2.408935883

2062	-0.885245963	-1.168283788	-2.408935883
2063	-0.885245963	-1.168283788	-2.408935883
2064	-0.885245963	-1.168283788	-2.576990272
2065	-0.885245963	-1.168283788	-2.576990272
2066	-0.885245963	-1.168283788	-2.576990272
2067	-0.885245963	-1.168283788	-2.576990272
2068	-0.885245963	-1.168283788	-2.576990272
2069	-0.885245963	-1.168283788	-2.7297171
2070	-0.885245963	-1.168283788	-2.7297171
2071	-0.885245963	-1.168283788	-2.7297171
2072	-0.885245963	-1.168283788	-2.7297171
2073	-0.885245963	-1.168283788	-2.7297171
2074	-0.885245963	-1.168283788	-2.866953202
2075	-0.885245963	-1.168283788	-2.866953202
2076	-0.885245963	-1.168283788	-2.866953202
2077	-0.885245963	-1.168283788	-2.866953202
2078	-0.885245963	-1.168283788	-2.866953202
2079	-0.885245963	-1.168283788	-2.973190706
2080	-0.885245963	-1.168283788	-2.973190706
2081	-0.885245963	-1.168283788	-2.973190706

SAGE Model Year	Incremental Cost input to SAGE (Excluding Transfers)	Transfer Change input to SAGE	General Equilibrium Social Costs
2026	1.75	0.12	-1.37
2031	0.38	-0.07	-1.52
2036	-7.38	5.76	-1.65
2041	-6.05	5.34	-1.77
2046	-2.34	-1.63	-1.91
2051	-1.13	-0.59	-2.07
2056	-0.89	-1.17	-2.24
Present Value (2026- 2047): 4.5% Equivalent	-31.67	28.71	-25.00
Annualized Value (2026-2047): 4.5%	-2.00	1.81	-1.58
Present Value (2026- 2081): 4.5% Equivalent	-38.40	21.82	-40.58
Annualized Value (2026-2081): 4.5%	-1.72	0.98	-1.81

df_4_5	pv_pe_45	pv_sc_45	pv_trans_45
1.486095	0	0	0
1.422101	0	0	0
1.360862	0	0	0
1.30226	0	0	0
1.246182	0	0	0
1.192519	0	0	0
1.141166	0	0	0
1.092025	0	0	0
1.045	1.832543	-1.43237	0.12712
1	1.75363	-1.37068	0.121646
0.956938	1.678115	-1.31166	0.116408
0.91573	1.605852	-1.25518	0.111395
0.876297	1.5367	-1.20113	0.106598
0.838561	0.321173	-1.27706	-0.05454
0.802451	0.307342	-1.22207	-0.05219
0.767896	0.294107	-1.16944	-0.04994
0.734828	0.281443	-1.11908	-0.04779
0.703185	0.269323	-1.07089	-0.04573
0.672904	-4.96486	-1.10754	3.878847
0.643928	-4.75106	-1.05985	3.711816
0.616199	-4.54647	-1.01421	3.551977
0.589664	-4.35069	-0.97053	3.399021
0.564272	-4.16334	-0.92874	3.252652
0.539973	-3.26477	-0.95642	2.885612
0.51672	-3.12418	-0.91523	2.761351
0.494469	-2.98965	-0.87582	2.642442
0.473176	-2.8609	-0.83811	2.528652
0.4528	-2.73771	-0.80202	2.419763
0.433302	-1.014	-0.82873	-0.70766
0.414643	-0.97034	-0.79304	-0.67719
0.396787	-0.92855	-0.75889	-0.64803
0.379701	-0.88857	-0.72621	-0.62012
0.36335	-0.85031	-0.69494	-0.59342
0.347703	-0.39449	-0.72011	-0.20395
0.332731	-0.3775	-0.6891	-0.19516
0.318402	-0.36125	-0.65942	-0.18676
0.304691	-0.34569	-0.63103	-0.17872
0.291571	-0.3308	-0.60385	-0.17102
0.279015	-0.247	-0.62392	-0.32597
0.267	-0.23636	-0.59705	-0.31193
0.255502	-0.22618	-0.57134	-0.2985
0.2445	-0.21644	-0.54674	-0.28565
0.233971	-0.20712	-0.5232	-0.27334
0.223896	-0.1982	-0.53935	-0.26157
0.214254	-0.18967	-0.51613	-0.25031
0.205028	-0.1815	-0.4939	-0.23953

0.196199	-0.17368	-0.47263	-0.22922
0.18775	-0.16621	-0.45228	-0.21935
0.179665	-0.15905	-0.463	-0.2099
0.171929	-0.1522	-0.44306	-0.20086
0.164525	-0.14565	-0.42398	-0.19221
0.15744	-0.13937	-0.40572	-0.18393
0.150661	-0.13337	-0.38825	-0.17601
0.144173	-0.12763	-0.39355	-0.16843
0.137964	-0.12213	-0.3766	-0.16118
0.132023	-0.11687	-0.36039	-0.15424
0.126338	-0.11184	-0.34487	-0.1476
0.120898	-0.10702	-0.33002	-0.14124
0.115692	-0.10242	-0.33168	-0.13516
0.11071	-0.09801	-0.3174	-0.12934
0.105942	-0.09378	-0.30373	-0.12377
0.10138	-0.08975	-0.29065	-0.11844
0.097014	-0.08588	-0.27814	-0.11334
0.092837	-0.08218	-0.27602	-0.10846
0.088839	-0.07864	-0.26414	-0.10379
0.085013	-0.07526	-0.25276	-0.09932