

Cost-benefit account

Caribbean coastal resilience programme

Sample output, edited for publication. Baseline climate pathway, planned intervention. Amounts in US\$, 2025 prices; present values at a 3.5% discount rate.

Public value benefits (PV)	Cost (PV)	Net public value (PV)	Benefit to cost
\$138.7M	\$39.8M	\$98.9M	3.48

The account, year by year

Year	Recreation, tourism and amenity	Employment, operational	Employment, construction	Avoided damage, sea surge	Avoided damage, coastal erosion	Total benefits	Total costs	Net benefit
2025	0	0	0	0	0	0	15,000,000	(15,000,000)
2026	34,320	81,513	1,239,735	4,777,344	723,840	6,856,753	12,000,000	(5,143,247)
2027	68,640	163,027	1,239,735	4,802,688	727,680	7,001,770	8,000,000	(998,230)
2028	102,960	244,540	1,239,735	4,828,032	731,520	7,146,787	350,000	6,796,787
2029	137,280	326,053	0	4,853,376	735,360	6,052,069	350,000	5,702,069
2030	171,600	407,566	0	4,878,720	739,200	6,197,086	350,000	5,847,086
2031	205,920	489,080	0	4,904,064	743,040	6,342,104	350,000	5,992,104
2032	240,240	570,593	0	4,929,408	746,880	6,487,121	350,000	6,137,121
2033	274,560	652,106	0	4,954,752	750,720	6,632,138	350,000	6,282,138
2034	308,880	733,619	0	4,980,096	754,560	6,777,155	350,000	6,427,155
2035	343,200	815,133	0	5,005,440	758,400	6,922,173	350,000	6,572,173
2036	377,520	896,646	0	5,030,784	762,240	7,067,190	350,000	6,717,190
2037	411,840	978,159	0	5,056,128	766,080	7,212,207	350,000	6,862,207
2038	446,160	1,059,672	0	5,081,472	769,920	7,357,224	350,000	7,007,224
2039	480,480	1,141,186	0	5,106,816	773,760	7,502,242	350,000	7,152,242

2040	514,800	1,222,699	0	5,132,160	777,600	7,647,259	350,000	7,297,259
2041	549,120	1,304,212	0	5,157,504	781,440	7,792,276	350,000	7,442,276
2042	583,440	1,385,725	0	5,182,848	785,280	7,937,293	350,000	7,587,293
2043	617,760	1,467,239	0	5,208,192	789,120	8,082,311	350,000	7,732,311
2044	652,080	1,548,752	0	5,233,536	792,960	8,227,328	350,000	7,877,328
2045	686,400	1,630,265	0	5,258,880	796,800	8,372,345	350,000	8,022,345
2046	720,720	1,711,778	0	5,284,224	800,640	8,517,362	350,000	8,167,362
2047	755,040	1,793,292	0	5,309,568	804,480	8,662,380	350,000	8,312,380
2048	789,360	1,874,805	0	5,334,912	808,320	8,807,397	350,000	8,457,397
2049	823,680	1,956,318	0	5,360,256	812,160	8,952,414	350,000	8,602,414
2050	858,000	2,037,832	0	5,385,600	816,000	9,097,432	350,000	8,747,432
2051	892,320	2,119,345	0	5,410,944	819,840	9,242,449	350,000	8,892,449
2052	926,640	2,200,858	0	5,436,288	823,680	9,387,466	350,000	9,037,466
2053	960,960	2,282,371	0	5,461,632	827,520	9,532,483	350,000	9,182,483
2054	995,280	2,363,885	0	5,486,976	831,360	9,677,501	350,000	9,327,501
2055	1,029,600	2,445,398	0	5,512,320	835,200	9,822,518	350,000	9,472,518
Present value	8,185,236	19,440,714	3,473,289	93,443,482	14,158,103	138,700,824	39,834,611	98,866,213