

Annex Q: CEA results without environment and salvage cost

Table 1: BCR-sorted RCOs for the Feeder (generic ship 3).

RCO	Initial Investment	Annual Cost	NPV	BCR	CBR	ΔPLL	GCAF	NCAF
F4	10,000 €	0 €	-3,594 €	0.641	1.561	3.16E-06	126.4E+6	45.4E+6
F3	15,000 €	0 €	-8,365 €	0.442	2.261	2.23E-06	269.4E+6	150.2E+6
F2	15,000 €	0 €	-10,376 €	0.308	3.244	1.57E-06	382.5E+6	264.6E+6
C2	184,150 €	0 €	-127,802 €	0.306	3.268	7.38E-05	99.8E+6	69.2E+6
D2	85,440 €	2,500 €	-95,958 €	0.259	3.856	3.03E-05	170.8E+6	126.5E+6
D5	1,520 €	243 €	-4,520 €	0.222	4.509	9.96E-07	233.1E+6	181.4E+6
P4	0 €	1,680 €	-24,247 €	0.182	5.490	5.08E-06	233.5E+6	191.0E+6
P1	184,417 €	2,769 €	-212,812 €	0.088	11.396	1.93E-05	483.8E+6	441.3E+6
D1	106,038 €	0 €	-100,726 €	0.050	19.963	7.73E-06	548.5E+6	521.1E+6
C3	321,408 €	3,214 €	-363,267 €	0.039	25.448	5.74E-06	2.6E+9	2.5E+9
C1	350,000 €	25,000 €	-770,500 €	0.026	38.253	3.72E-05	850.1E+6	827.9E+6
F4R	283,916 €	0 €	-277,510 €	0.023	44.321	3.16E-06	3.6E+9	3.5E+9
F5	525,000 €	22,500 €	-910,576 €	0.012	80.260	5.67E-06	6.5E+9	6.4E+9
F1	500,000 €	22,500 €	-886,988 €	0.011	89.024	1.35E-05	2.7E+9	2.6E+9
D4	71,405 €	6,560 €	-185,618 €	0.008	120.525	5.77E-07	13.0E+9	12.9E+9
D1R	856,588 €	0 €	-851,276 €	0.006	161.260	7.73E-06	4.4E+9	4.4E+9
D3	1,800,000 €	18,000 €	-2,110,116 €	0.004	281.027	2.84E-06	29.9E+9	29.7E+9

Table 2: BCR-sorted RCOs for the Single Island (generic ship 2).

RCO	Initial Investment	Annual Cost	NPV	BCR	CBR	ΔPLL	GCAF	NCAF
D5	1,520 €	243 €	18,139 €	4.123	0.243	1.81E-05	12.9E+6	-40.2E+6
F4	10,000 €	0 €	11,847 €	2.185	0.458	6.59E-06	60.7E+6	-71.9E+6
F3	15,000 €	0 €	5,541 €	1.369	0.730	4.99E-06	120.2E+6	-44.4E+6
F2	15,000 €	0 €	-670 €	0.955	1.047	3.51E-06	170.9E+6	7.6E+6
C2	480,000 €	0 €	8,866 €	1.018	0.982	3.28E-04	58.5E+6	-1.1E+6
D2	170,320 €	2,500 €	-21,483 €	0.900	1.111	1.30E-04	65.9E+6	6.6E+6
P4	0 €	4,987 €	-59,277 €	0.326	3.063	1.75E-05	200.7E+6	135.2E+6
P1	391,389 €	5,877 €	-385,989 €	0.220	4.538	6.66E-05	297.3E+6	231.8E+6
C1	735,000 €	52,500 €	-1,378,756 €	0.170	5.877	2.61E-04	254.7E+6	211.3E+6
D1	225,167 €	0 €	-190,084 €	0.156	6.418	3.30E-05	272.6E+6	230.1E+6
C3	687,456 €	6,875 €	-738,263 €	0.087	11.469	1.59E-05	2.0E+9	1.9E+9
F1	500,000 €	22,500 €	-834,258 €	0.070	14.283	6.22E-05	577.0E+6	536.6E+6
D4	151,624 €	6,560 €	-257,861 €	0.036	28.059	2.50E-06	4.3E+9	4.1E+9
F4R	490,535 €	0 €	-468,688 €	0.045	22.453	6.59E-06	3.0E+9	2.8E+9
F5	525,000 €	22,500 €	-882,676 €	0.043	23.409	1.19E-05	3.1E+9	3.0E+9
D1R	1,818,917 €	0 €	-1,783,834 €	0.019	51.846	3.30E-05	2.2E+9	2.2E+9
D3	3,300,000 €	33,000 €	-3,850,614 €	0.008	122.289	8.34E-06	18.6E+9	18.5E+9

Table 3: BCR-sorted RCOs for the Twin Island (generic ship 1).

RCO	Initial Investment [€]	Annual Cost [€/year]	NPV	BCR	CBR	APLL	GCAF	NCAF
D5	1,520 €	243 €	213,742 €	37.799	0.026	7.93E-05	2.9E+6	-107.9E+6
F3	15,000 €	0 €	128,631 €	9.575	0.104	1.62E-05	37.1E+6	-318.2E+6
F4	10,000 €	0 €	63,642 €	7.364	0.136	1.01E-05	39.7E+6	-252.5E+6
C2	711,200 €	0 €	2,693,954 €	4.788	0.209	1.02E-03	27.8E+6	-105.4E+6
F2	15,000 €	0 €	32,665 €	3.178	0.315	5.43E-06	110.5E+6	-240.7E+6
D2	458,240 €	2,500 €	616,922 €	2.228	0.449	3.95E-04	50.8E+6	-62.4E+6
C1	805,000 €	57,500 €	1,856,991 €	2.020	0.495	1.34E-03	54.2E+6	-55.3E+6
P4	0 €	7,360 €	50,189 €	1.386	0.721	5.18E-05	100.3E+6	-38.8E+6
P1	938,967 €	14,099 €	-503,908 €	0.576	1.737	1.97E-04	241.6E+6	102.5E+6
F1	500,000 €	22,500 €	-447,323 €	0.501	1.995	2.20E-04	163.0E+6	81.3E+6
D1	540,400 €	0 €	-288,944 €	0.465	2.149	1.10E-04	196.6E+6	105.1E+6
F5	525,000 €	22,500 €	-640,996 €	0.305	3.281	3.82E-05	964.4E+6	670.4E+6
C3	1,116,000 €	11,160 €	-1,054,111 €	0.197	5.073	2.62E-05	2.0E+9	1.6E+9
D4	363,899 €	6,560 €	-441,441 €	0.080	12.549	4.68E-06	4.1E+9	3.8E+9
F4R	1,037,284 €	0 €	-963,642 €	0.071	14.085	1.01E-05	4.1E+9	3.8E+9
D1R	4,365,400 €	0 €	-4,113,944 €	0.058	17.360	1.10E-04	1.6E+9	1.5E+9
D3	3,600,000 €	36,000 €	-4,107,890 €	0.030	33.241	1.56E-05	10.9E+9	10.5E+9