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INTERNATIONAL CIVIL AVIATION ORGANIZATION

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CORSIA Central Registry (CCR): Information and Data for Transparency



Part III: Total Annual CO₂ Emissions and Information for Aeroplane Operators

October 2022



Carbon Offsetting and Reduction Scheme for International Aviation

This is Part III of ICAO document “CORSIA Central Registry (CCR): Information and Data for Transparency” that is referenced in Annex 16 — *Environmental Protection*, Volume IV — *Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA)*. Part III of this ICAO CORSIA document is material approved by the ICAO Council for publication by ICAO to support Annex 16, Volume IV and is essential for the implementation of the CORSIA. Part III of this ICAO CORSIA document is available on the ICAO CORSIA website and may only be amended by the Council.

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PART III: Total Annual CO₂ Emissions and Information for Aeroplane Operators

Reporting year: 2021

Part III of ICAO document “*CORSIA Central Registry (CCR): Information and Data for Transparency*” has been prepared pursuant to Notes 1, 2 and 3 of Table A5-5 in Appendix 5 to Annex 16, Volume IV, and contains:

- Total annual CO₂ emissions aggregated for all aeroplane operators on each State pair (Note 1 b) of Table A5-5); and
- Information for aeroplane operators (Note 1 c) of Table A5-5).

Total annual CO₂ emissions aggregated for all aeroplane operators on each State pair

Total annual CO₂ emissions aggregated for all aeroplane operators on each State pair are presented in Part III – Table 1. The information in the table is based on the CO₂ emissions data submitted by reporting States through the CCR, and, where necessary, data provided by ICAO (in accordance with the provisions of Annex 16, Volume IV, Part II, Chapter 2, 2.5.2.2) for States that did not submit their aggregated Emissions Report in accordance with the timeline as defined in Appendix 1 to Annex 16, Volume IV. The Appendix to this document contains the list of the reporting States (shown as “Submitted”) and the States for which data was provided by ICAO (shown as “Gap filling”). A description of the emissions gap filling methodology is available on the ICAO website.¹

In Part III – Table 1:

- The first column lists all State pairs for which CO₂ emissions data was available for the reporting year;
- The second column contains the total annual CO₂ emissions aggregated on each State pair subject to offsetting requirements;
- The third column contains the total annual CO₂ emissions aggregated on each State pair not subject to offsetting requirements;
- The symbols “*” and “-” signify that the aggregated total for the specific State pair was identified as partially or totally confidential as explained on the next page;
- The total aggregated values at the top of the table were calculated using both confidential and non-confidential data;
- All CO₂ emissions values were rounded to the nearest tonne.

Information for aeroplane operators

Information for aeroplane operators is presented in Part III – Table 2 and is based exclusively on the data submitted by reporting States through the CCR (shown as “Submitted” in the Appendix to this document). For States that did not submit their aggregated Emissions Report through the CCR, and ICAO provided data to fill the emissions gap in accordance with the provisions of Annex 16, Volume IV, no data for aeroplane operators of these States was included in this table.

¹<https://www.icao.int/environmental-protection/CORSIA/Pages/CCR.aspx>

In Part III – Table 2:

- The first column contains the name of each aeroplane operator for which its State of attribution submitted data through the CCR for the reporting year;
- The second column contains the State of attribution for each aeroplane operator;
- The third column contains the aeroplane operator's total annual aggregated CO₂ emissions (the value in the third column should be the same as the sum of the values in the fourth and fifth columns; any differences are due to rounding errors);
- The fourth column contains the aeroplane operator's total annual aggregated CO₂ emissions for all State pairs subject to offsetting requirements;
- The fifth column contains the aeroplane operator's total annual aggregated CO₂ emissions for all State pairs not subject to offsetting requirements;
- The sixth column indicates if the calculation of CO₂ emissions was based on the ICAO CORSIA CO₂ Estimation and Reporting Tool (CERT);
- The symbol “-” signifies that the submitted data was identified as confidential as explained below;
- All CO₂ emissions values were rounded to the nearest tonne.

Treatment of confidential data

Pursuant to the provisions of Annex 16, Volume IV, Part II, Chapter 2, 2.3.1.6 and 2.3.1.7, some reporting States have indicated which data was confidential in their submission through the CCR (Annex 16, Volume IV, Part II, Chapter 2, 2.3.2.3). To ensure that confidential data is not attributed to any specific aeroplane operator in accordance with Annex 16, Volume IV, Part II, Chapter 2, 2.3.2.4, the following approach has been taken in calculating and publishing total aggregated CO₂ emissions.

For Part III – Table 1:

- Where three or more reporting States submitted CO₂ emissions on a specific State pair (irrespective of any indication of confidential data by one or more reporting States), all submitted data was used to calculate the aggregated total;
- Where two reporting States submitted CO₂ emissions data on a specific State pair and one of these two States indicated that its data was confidential, only the non-confidential data was used to calculate the aggregated total; the result is shown together with the symbol “*” to signify that the total does not contain the confidential data;
- Where one or two reporting States submitted confidential CO₂ emissions data on a specific State pair, this is shown with the symbol “-”.

For Part III – Table 2:

- Where a reporting State indicated that an aeroplane operator's data was confidential, this is shown with the symbol “-”.

Part III - Table 1: Total annual CO₂ Emissions aggregated for all aeroplane operators on each State pair*Last update: 28/Oct/2022*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
<i>Total aggregated</i>	<i>167,142,002</i>	<i>123,208,383</i>
Afghanistan-Azerbaijan	25,789	
Afghanistan-Bahrain		671
Afghanistan-Bangladesh		-
Afghanistan-Bulgaria	5,591	
Afghanistan-China		288
Afghanistan-Denmark	88	
Afghanistan-France	112	
Afghanistan-Georgia	591	
Afghanistan-Germany	5,500	
Afghanistan-Greece	1,145	
Afghanistan-India		7,978
Afghanistan-Iran (Islamic Republic of)		42
Afghanistan-Japan	718	
Afghanistan-Jordan		131*
Afghanistan-Kazakhstan	-	
Afghanistan-Kuwait		4,265
Afghanistan-Kyrgyzstan		-
Afghanistan-Latvia	164	
Afghanistan-Maldives		-
Afghanistan-Nepal		-
Afghanistan-Norway	75	
Afghanistan-Oman		121
Afghanistan-Pakistan		5,966
Afghanistan-Philippines	218	
Afghanistan-Qatar	3,384	
Afghanistan-Republic of Korea	2,194	
Afghanistan-Republic of Moldova	-	
Afghanistan-Saudi Arabia	3,475	
Afghanistan-Sweden	363	
Afghanistan-Tajikistan		337
Afghanistan-Thailand	358	
Afghanistan-Türkiye	29,486	
Afghanistan-Turkmenistan		447
Afghanistan-Ukraine	1,662	
Afghanistan-United Arab Emirates	34,851	
Afghanistan-Uzbekistan		646
Albania-Armenia	1,031	
Albania-Austria	6,948	
Albania-Belarus		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Albania-Belgium	4,005	
Albania-Bosnia and Herzegovina	149	
Albania-Bulgaria	61	
Albania-Croatia	12	
Albania-Cyprus	33	
Albania-Czechia	632	
Albania-Denmark	21	
Albania-Egypt		1,000
Albania-Estonia	-	
Albania-France	4,239	
Albania-Georgia	189	
Albania-Germany	23,354	
Albania-Greece	3,175	
Albania-Hungary	168	
Albania-Iceland	78	
Albania-Iraq		28
Albania-Ireland	507	
Albania-Israel	393	
Albania-Italy	36,438	
Albania-Jordan		7*
Albania-Kazakhstan	94	
Albania-Kuwait		34
Albania-Luxembourg	10	
Albania-Malta	9	
Albania-Montenegro	10	
Albania-Netherlands	1,141	
Albania-Nigeria	97	
Albania-North Macedonia	24	
Albania-Norway	471	
Albania-Poland	62*	
Albania-Qatar	-	
Albania-Republic of Moldova	149	
Albania-Romania	150	
Albania-Russian Federation		1,391
Albania-Saudi Arabia	-	
Albania-Serbia	1,825	
Albania-Slovenia	3	
Albania-Spain	1,086	
Albania-Sweden	1,961	
Albania-Switzerland	2,217	
Albania-Türkiye	5,363	
Albania-Ukraine	576	
Albania-United Arab Emirates	6,953	
Albania-United Kingdom	17,255	
Albania-United States	142	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Algeria-Angola		72
Algeria-Austria		1,902
Algeria-Azerbaijan		850*
Algeria-Belarus		-
Algeria-Belgium		1,175
Algeria-Benin		66*
Algeria-Botswana		39
Algeria-Bulgaria		206*
Algeria-Burkina Faso		236*
Algeria-Cameroon		-
Algeria-Canada		-
Algeria-Central African Republic		-
Algeria-Chad		190*
Algeria-China		-
Algeria-Congo		-
Algeria-Côte d'Ivoire		81*
Algeria-Croatia		13
Algeria-Czechia		19
Algeria-Democratic Republic of the Congo		-
Algeria-Denmark		289*
Algeria-Egypt		298*
Algeria-Equatorial Guinea		8
Algeria-Ethiopia		48
Algeria-France		56,882
Algeria-Gabon		6
Algeria-Gambia		-
Algeria-Germany		14,786
Algeria-Ghana		143*
Algeria-Greece		104
Algeria-Guinea		-
Algeria-Hungary		31
Algeria-India		-
Algeria-Ireland		-
Algeria-Italy		3,380
Algeria-Jordan		41*
Algeria-Kenya		90*
Algeria-Latvia		-
Algeria-Lebanon		152
Algeria-Liberia		1,818
Algeria-Libya		27*
Algeria-Luxembourg		-
Algeria-Mali		1,486
Algeria-Malta		5*
Algeria-Mauritania		238
Algeria-Morocco		884

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Algeria-Netherlands		25
Algeria-Niger		775
Algeria-Nigeria		596
Algeria-Norway		174
Algeria-Oman		-
Algeria-Portugal		94
Algeria-Qatar		-
Algeria-Russian Federation		1,084
Algeria-Rwanda		-
Algeria-Sao Tome and Principe		11
Algeria-Saudi Arabia		-
Algeria-Senegal		-
Algeria-Serbia		81*
Algeria-Sierra Leone		-
Algeria-Slovakia		-
Algeria-Spain		5,132
Algeria-Sudan		-
Algeria-Sweden		322
Algeria-Switzerland		1,590
Algeria-Togo		-
Algeria-Tunisia		2,277
Algeria-Türkiye		14,841
Algeria-Uganda		67*
Algeria-Ukraine		91
Algeria-United Arab Emirates		3,305
Algeria-United Kingdom		1,988
Algeria-United States		-
Angola-Algeria		68
Angola-Argentina		-
Angola-Belgium		39
Angola-Brazil		3,518
Angola-Bulgaria		35
Angola-Burkina Faso		-
Angola-Cabo Verde		16
Angola-Cameroon		127
Angola-Congo		44
Angola-Costa Rica		66
Angola-Côte d'Ivoire		10
Angola-Cuba		3,676
Angola-Democratic Republic of the Congo		980
Angola-Egypt		186
Angola-Ethiopia		6,109
Angola-France		18,586
Angola-Gabon		280
Angola-Gambia		179

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Angola-Germany		15,033
Angola-Ghana		106
Angola-Guinea		1,287
Angola-Kenya		132*
Angola-Malaysia		239
Angola-Mali		188
Angola-Mauritania		742
Angola-Morocco		137*
Angola-Mozambique		460
Angola-Namibia		11
Angola-Niger		76
Angola-Nigeria		25
Angola-Portugal		45,592
Angola-Qatar		-
Angola-Rwanda		-
Angola-Sao Tome and Principe		726
Angola-Senegal		271
Angola-Seychelles		39
Angola-South Africa		5,261
Angola-Switzerland		168
Angola-Togo		9
Angola-Türkiye		2,325
Angola-Uganda		-
Angola-United Arab Emirates		29,342
Angola-United Kingdom		43
Angola-United Republic of Tanzania		103*
Angola-Viet Nam		-
Antigua and Barbuda-Argentina		32
Antigua and Barbuda-Bahamas		214
Antigua and Barbuda-Barbados		683
Antigua and Barbuda-Benin		36
Antigua and Barbuda-Brazil		57
Antigua and Barbuda-Canada		1,621
Antigua and Barbuda-Colombia		13
Antigua and Barbuda-Costa Rica		45
Antigua and Barbuda-Cyprus		52
Antigua and Barbuda-Dominican Republic		195
Antigua and Barbuda-Ecuador		17
Antigua and Barbuda-Finland		38
Antigua and Barbuda-France		414
Antigua and Barbuda-Germany		187
Antigua and Barbuda-Grenada		1,017
Antigua and Barbuda-Guyana		30
Antigua and Barbuda-Ireland		34
Antigua and Barbuda-Italy		294

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Antigua and Barbuda-Jamaica		1,096
Antigua and Barbuda-Mexico		6
Antigua and Barbuda-Netherlands		403
Antigua and Barbuda-Portugal		43
Antigua and Barbuda-Russian Federation		91
Antigua and Barbuda-Saint Kitts and Nevis		277
Antigua and Barbuda-Saint Lucia		60
Antigua and Barbuda-Saint Vincent and the Grenadines		30
Antigua and Barbuda-Sweden		88
Antigua and Barbuda-Switzerland		238
Antigua and Barbuda-Trinidad and Tobago		462
Antigua and Barbuda-United Kingdom		52,821
Antigua and Barbuda-United States		37,499
Argentina-Antigua and Barbuda		73
Argentina-Australia		-
Argentina-Bahamas		1,631
Argentina-Bolivia (Plurinational State of)		7,536
Argentina-Brazil		35,589
Argentina-Cabo Verde		895
Argentina-Canada		2,231
Argentina-Chile		33,052
Argentina-Colombia		7,871
Argentina-Costa Rica		37
Argentina-Cuba		1,288
Argentina-Cyprus		264
Argentina-Dominican Republic		4,574
Argentina-Ecuador		28,665
Argentina-France		32,575
Argentina-Germany		112,261
Argentina-Italy		4,148
Argentina-Maldives		832
Argentina-Mexico		32,392
Argentina-Netherlands		49,017
Argentina-Nigeria		-
Argentina-Panama		21,885
Argentina-Paraguay		1,913
Argentina-Peru		14,089
Argentina-Portugal		714
Argentina-Russian Federation		8,400
Argentina-Senegal		91
Argentina-Serbia		153
Argentina-South Africa		-
Argentina-Spain		146,832
Argentina-Switzerland		2,838

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Argentina-United Kingdom		4,003
Argentina-United States		299,996
Argentina-Uruguay		1,054
Argentina-Venezuela (Bolivarian Republic of)		103
Armenia-Albania	152*	
Armenia-Austria	8,005	
Armenia-Belarus		-
Armenia-Belgium	3,285	
Armenia-Bulgaria	18	
Armenia-Croatia	31	
Armenia-Cyprus	375	
Armenia-Czechia	26*	
Armenia-Egypt		9,931
Armenia-Finland	90	
Armenia-France	7,084	
Armenia-Georgia	1,675	
Armenia-Germany	5,926	
Armenia-Greece	2,287	
Armenia-Hungary	92	
Armenia-India		-
Armenia-Iran (Islamic Republic of)		981
Armenia-Iraq		513
Armenia-Israel	56	
Armenia-Italy	269	
Armenia-Jordan		52
Armenia-Kazakhstan	462	
Armenia-Kenya	23	
Armenia-Kuwait		48
Armenia-Kyrgyzstan		28*
Armenia-Latvia	-	
Armenia-Lebanon		30*
Armenia-Lithuania	101	
Armenia-Maldives		71
Armenia-Malta	49	
Armenia-Montenegro	22	
Armenia-Netherlands	-	
Armenia-North Macedonia	17*	
Armenia-Norway	-	
Armenia-Oman		-
Armenia-Pakistan		-
Armenia-Poland	-	
Armenia-Qatar	-	
Armenia-Republic of Moldova	47	
Armenia-Romania	55	
Armenia-Russian Federation		102,958

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Armenia-Saudi Arabia	9*	
Armenia-Serbia	23*	
Armenia-Slovakia	27	
Armenia-Slovenia	13	
Armenia-Spain	314	
Armenia-Sudan		16
Armenia-Sweden	77	
Armenia-Switzerland	76	
Armenia-Syrian Arab Republic		122
Armenia-Tajikistan		119
Armenia-Tunisia		165
Armenia-Türkiye	84	
Armenia-Ukraine	11,790	
Armenia-United Arab Emirates	11,540	
Armenia-United Kingdom	48	
Armenia-Uzbekistan		106
Australia-Argentina		-
Australia-Bangladesh		882*
Australia-Barbados		-
Australia-Brunei Darussalam		11,837
Australia-Cambodia		32*
Australia-Canada	9,252*	
Australia-Chile		2,642
Australia-China		1,012,026
Australia-Fiji		23,964
Australia-France	4,559	
Australia-Germany	-	
Australia-India		19,766
Australia-Indonesia	31,421	
Australia-Japan	123,796	
Australia-Malaysia	168,599	
Australia-Maldives		138
Australia-Nauru		4,314
Australia-New Zealand	191,867	
Australia-Pakistan		-
Australia-Papua New Guinea	5,597	
Australia-Philippines	68,319	
Australia-Qatar	255*	
Australia-Republic of Korea	92,995	
Australia-Saint Lucia		-
Australia-Samoa		-
Australia-Singapore	720,809	
Australia-Solomon Islands		456*
Australia-South Africa		-
Australia-Sri Lanka		45,433

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Australia-Thailand	108,946	
Australia-Timor-Leste		32*
Australia-Tonga		-
Australia-Türkiye	-	
Australia-United Arab Emirates	379,364	
Australia-United Kingdom	-	
Australia-United States	442,228	
Australia-Vanuatu		15
Australia-Viet Nam		47,357
Austria-Afghanistan	423	
Austria-Albania	6,610	
Austria-Algeria		91
Austria-Armenia	7,333	
Austria-Azerbaijan	483	
Austria-Bahamas		142
Austria-Bahrain		92
Austria-Belarus		423
Austria-Belgium	21,532	
Austria-Bosnia and Herzegovina	3,829	
Austria-Brazil		96
Austria-Bulgaria	11,413	
Austria-Canada	15,215	
Austria-China		51,942
Austria-Croatia	6,063	
Austria-Cyprus	13,700	
Austria-Czechia	2,027	
Austria-Denmark	7,525	
Austria-Dominican Republic	96	
Austria-Egypt		16,484
Austria-Estonia	1,662	
Austria-Ethiopia		21,283
Austria-Finland	4,754	
Austria-France	34,747	
Austria-Georgia	1,449	
Austria-Germany	109,969	
Austria-Greece	55,507	
Austria-Hungary	2,049	
Austria-Iceland	2,756	
Austria-India		648
Austria-Iran (Islamic Republic of)		6,639
Austria-Iraq		3,175
Austria-Ireland	4,839	
Austria-Israel	23,060	
Austria-Italy	45,212	
Austria-Japan	8,621	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Austria-Jordan		5,383
Austria-Kazakhstan	3,644	
Austria-Kuwait		15*
Austria-Kyrgyzstan		20*
Austria-Latvia	3,662	
Austria-Lebanon		77
Austria-Lithuania	1,066	
Austria-Luxembourg	6,782	
Austria-Malaysia	386	
Austria-Maldives		12,812
Austria-Malta	4,523	
Austria-Mauritius		7,079
Austria-Mexico	5,583	
Austria-Montenegro	3,572	
Austria-Morocco		334
Austria-Netherlands	23,730	
Austria-Nigeria	44	
Austria-North Macedonia	5,837	
Austria-Norway	9,951	
Austria-Poland	6,820	
Austria-Portugal	19,759	
Austria-Qatar	67*	
Austria-Republic of Korea	1,458	
Austria-Republic of Moldova	2,230	
Austria-Romania	12,124	
Austria-Russian Federation		17,793
Austria-Saudi Arabia	4,621	
Austria-Serbia	5,510	
Austria-Slovakia	950	
Austria-Slovenia	269	
Austria-South Africa		397
Austria-Spain	88,174	
Austria-Sudan		113
Austria-Sweden	9,517	
Austria-Switzerland	19,065	
Austria-Syrian Arab Republic		7
Austria-Thailand	24,049	
Austria-Tunisia		690
Austria-Türkiye	50,734	
Austria-Turkmenistan		460
Austria-Ukraine	13,115	
Austria-United Arab Emirates	63,269	
Austria-United Kingdom	26,786	
Austria-United Republic of Tanzania	33	
Austria-United States	125,966	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Austria-Uzbekistan		106
Austria-Venezuela (Bolivarian Republic of)		50
Austria-Viet Nam		-
Azerbaijan-Afghanistan	15,247	
Azerbaijan-Algeria		384*
Azerbaijan-Armenia	3*	
Azerbaijan-Austria	25,813	
Azerbaijan-Bahrain		189
Azerbaijan-Bangladesh		13,241
Azerbaijan-Belarus		84*
Azerbaijan-Belgium	13,325	
Azerbaijan-Bosnia and Herzegovina	29	
Azerbaijan-Bulgaria	340	
Azerbaijan-Cambodia		-
Azerbaijan-China		261,839
Azerbaijan-Croatia	-	
Azerbaijan-Cuba		458
Azerbaijan-Cyprus	174	
Azerbaijan-Czechia	1,023	
Azerbaijan-Denmark	739	
Azerbaijan-Egypt		249
Azerbaijan-Ethiopia		2,049
Azerbaijan-Finland	927	
Azerbaijan-France	1,908	
Azerbaijan-Georgia	4,301	
Azerbaijan-Germany	104,840	
Azerbaijan-Greece	214	
Azerbaijan-Hungary	14,914	
Azerbaijan-Iceland	226	
Azerbaijan-India		5,609
Azerbaijan-Indonesia	326	
Azerbaijan-Iran (Islamic Republic of)		39
Azerbaijan-Iraq		13,756
Azerbaijan-Ireland	733	
Azerbaijan-Israel	13,646	
Azerbaijan-Italy	19,604	
Azerbaijan-Japan	51,417	
Azerbaijan-Jordan		1,588
Azerbaijan-Kazakhstan	15,523	
Azerbaijan-Kuwait		8,212
Azerbaijan-Kyrgyzstan		8,313*
Azerbaijan-Latvia	64	
Azerbaijan-Lebanon		80
Azerbaijan-Luxembourg	103,432	
Azerbaijan-Malaysia	2,932	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Azerbaijan-Maldives		357
Azerbaijan-Mali		209
Azerbaijan-Mongolia		163
Azerbaijan-Montenegro	176	
Azerbaijan-Myanmar		200
Azerbaijan-Netherlands	51,976	
Azerbaijan-Niger		240
Azerbaijan-Nigeria	-	
Azerbaijan-Norway	877	
Azerbaijan-Oman		120
Azerbaijan-Pakistan		1,567
Azerbaijan-Philippines	4,954	
Azerbaijan-Poland	1,572	
Azerbaijan-Portugal	29	
Azerbaijan-Qatar	3,840	
Azerbaijan-Republic of Korea	36,645	
Azerbaijan-Republic of Moldova	26	
Azerbaijan-Romania	35	
Azerbaijan-Russian Federation		59,591
Azerbaijan-Saudi Arabia	979*	
Azerbaijan-Serbia	1,083	
Azerbaijan-Singapore	43,488	
Azerbaijan-Slovakia	136	
Azerbaijan-Slovenia	16	
Azerbaijan-Spain	3,959	
Azerbaijan-Sri Lanka		-
Azerbaijan-Sweden	19	
Azerbaijan-Switzerland	285	
Azerbaijan-Tajikistan		384
Azerbaijan-Thailand	1,186	
Azerbaijan-Türkiye	93,349	
Azerbaijan-Turkmenistan		154
Azerbaijan-Ukraine	18,134	
Azerbaijan-United Arab Emirates	30,858	
Azerbaijan-United Kingdom	15,946	
Azerbaijan-United States	40,481	
Azerbaijan-Uzbekistan		447
Azerbaijan-Viet Nam		4,020*
Azerbaijan-Zimbabwe		75
Bahamas-Antigua and Barbuda		177
Bahamas-Austria		209
Bahamas-Barbados		36
Bahamas-Belize		16
Bahamas-Brazil		147
Bahamas-Canada		5,636

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bahamas-Colombia		40
Bahamas-Costa Rica		165
Bahamas-Cuba		379
Bahamas-Denmark		30
Bahamas-Dominican Republic		385
Bahamas-Ecuador		60
Bahamas-Finland		46
Bahamas-France		932
Bahamas-Germany		231
Bahamas-Grenada		13
Bahamas-Guatemala		24
Bahamas-Haiti		216
Bahamas-Hungary		48
Bahamas-Ireland		314
Bahamas-Italy		251
Bahamas-Jamaica		902
Bahamas-Luxembourg		35
Bahamas-Mexico		515
Bahamas-Netherlands		624
Bahamas-Panama		1,478
Bahamas-Peru		35
Bahamas-Portugal		200
Bahamas-Russian Federation		226
Bahamas-Saint Kitts and Nevis		31
Bahamas-Saint Lucia		39
Bahamas-Saint Vincent and the Grenadines		22
Bahamas-Spain		236
Bahamas-Sweden		45
Bahamas-Switzerland		1,192
Bahamas-United Kingdom		23,446
Bahamas-United States		135,150
Bahamas-Venezuela (Bolivarian Republic of)		12
Bahrain-Afghanistan		5,308
Bahrain-Armenia		8
Bahrain-Australia		164
Bahrain-Austria		53
Bahrain-Azerbaijan		590
Bahrain-Bangladesh		26,422
Bahrain-Belarus		19
Bahrain-Belgium		915
Bahrain-Bosnia and Herzegovina		735
Bahrain-Bulgaria		2,624
Bahrain-Cambodia		5,258
Bahrain-China		58,077
Bahrain-Cyprus		1,031

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bahrain-Djibouti		7,366
Bahrain-Egypt		26,624
Bahrain-Eritrea		2,092
Bahrain-Estonia		-
Bahrain-Ethiopia		26
Bahrain-France		1,223
Bahrain-Georgia		857
Bahrain-Germany		92,882
Bahrain-Greece		5,091
Bahrain-India		48,417
Bahrain-Indonesia		421
Bahrain-Iraq		4,520
Bahrain-Israel		613
Bahrain-Italy		22,363
Bahrain-Japan		50
Bahrain-Jordan		6,568
Bahrain-Kenya		16,221
Bahrain-Kuwait		13,445
Bahrain-Kyrgyzstan		284
Bahrain-Lebanon		11,552
Bahrain-Luxembourg		1,100
Bahrain-Malaysia		5,925
Bahrain-Maldives		7,075
Bahrain-Montenegro		22
Bahrain-Morocco		11,569
Bahrain-Nepal		-
Bahrain-Netherlands		44
Bahrain-Nigeria		145
Bahrain-Oman		8,753
Bahrain-Pakistan		39,652
Bahrain-Philippines		53,437
Bahrain-Poland		78
Bahrain-Portugal		133
Bahrain-Qatar		71
Bahrain-Republic of Korea		16,873
Bahrain-Republic of Moldova		14
Bahrain-Romania		69
Bahrain-Russian Federation		1,836
Bahrain-Saudi Arabia		49,721
Bahrain-Serbia		456
Bahrain-Singapore		11,222
Bahrain-South Africa		47
Bahrain-Spain		2,912
Bahrain-Sri Lanka		4,241
Bahrain-Switzerland		424

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bahrain-Thailand		11,976
Bahrain-Türkiye		19,706
Bahrain-Ukraine		32
Bahrain-United Arab Emirates		64,331
Bahrain-United Kingdom		78,777
Bahrain-United States		3,629
Bahrain-Viet Nam		10,431
Bangladesh-Algeria		-
Bangladesh-Australia		411*
Bangladesh-Azerbaijan		13,755
Bangladesh-Bahrain		23,283
Bangladesh-Belgium		289*
Bangladesh-Cambodia		-
Bangladesh-Central African Republic		-
Bangladesh-China		89,802
Bangladesh-Cyprus		313
Bangladesh-Democratic Republic of the Congo		-
Bangladesh-Ethiopia		17,534
Bangladesh-Germany		911
Bangladesh-Greece		38
Bangladesh-India		17,767
Bangladesh-Indonesia		54
Bangladesh-Japan		43
Bangladesh-Jordan		-
Bangladesh-Kuwait		49,974*
Bangladesh-Lebanon		-
Bangladesh-Malaysia		18,901
Bangladesh-Maldives		-
Bangladesh-Myanmar		96
Bangladesh-Nepal		1,030
Bangladesh-Netherlands		9,895*
Bangladesh-Oman		50,082
Bangladesh-Pakistan		-
Bangladesh-Philippines		75*
Bangladesh-Qatar		156,899
Bangladesh-Republic of Korea		1,109
Bangladesh-Russian Federation		2,579
Bangladesh-Saudi Arabia		-
Bangladesh-Serbia		-
Bangladesh-Singapore		-
Bangladesh-South Sudan		-
Bangladesh-Spain		-
Bangladesh-Sri Lanka		9,919
Bangladesh-Thailand		4,585
Bangladesh-Türkiye		95,698

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bangladesh-Ukraine		151
Bangladesh-United Arab Emirates		275,312
Bangladesh-United Kingdom		-
Bangladesh-Viet Nam		755
Barbados-Antigua and Barbuda		567
Barbados-Argentina		28
Barbados-Bahamas		71
Barbados-Bangladesh		-
Barbados-Belgium		102*
Barbados-Brazil		52
Barbados-Cabo Verde		23
Barbados-Canada		8,618
Barbados-Colombia		225
Barbados-Cuba		29
Barbados-Dominica		106
Barbados-Dominican Republic		93
Barbados-France		218
Barbados-Germany		7,704
Barbados-Ghana		-
Barbados-Greece		90
Barbados-Grenada		745
Barbados-Guyana		834
Barbados-Ireland		108
Barbados-Israel		144
Barbados-Italy		504
Barbados-Jamaica		826
Barbados-Mexico		19
Barbados-Netherlands		75
Barbados-Nicaragua		-
Barbados-Nigeria		78
Barbados-Panama		201
Barbados-Peru		-
Barbados-Portugal		143
Barbados-Russian Federation		50
Barbados-Saint Kitts and Nevis		8
Barbados-Saint Lucia		39
Barbados-Saint Vincent and the Grenadines		392
Barbados-Senegal		96*
Barbados-Spain		36
Barbados-Switzerland		327
Barbados-Togo		39
Barbados-Trinidad and Tobago		3,327
Barbados-United Kingdom		99,053
Barbados-United States		34,101
Barbados-Venezuela (Bolivarian Republic of)		10

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belarus-Albania		-
Belarus-Armenia		-
Belarus-Austria		1,797
Belarus-Azerbaijan		110*
Belarus-Belgium		10*
Belarus-Bulgaria		15*
Belarus-China		5,299*
Belarus-Cyprus		733
Belarus-Czechia		791
Belarus-Denmark		-
Belarus-Egypt		-
Belarus-Equatorial Guinea		-
Belarus-Estonia		644
Belarus-Finland		-
Belarus-France		10*
Belarus-Georgia		833*
Belarus-Germany		3,533
Belarus-Greece		32
Belarus-Hungary		179
Belarus-India		-
Belarus-Indonesia		-
Belarus-Iraq		3,650
Belarus-Ireland		-
Belarus-Israel		24*
Belarus-Italy		5*
Belarus-Jordan		482
Belarus-Kazakhstan		10,085
Belarus-Kuwait		185
Belarus-Kyrgyzstan		276
Belarus-Latvia		243
Belarus-Lebanon		-
Belarus-Lithuania		824
Belarus-Montenegro		-
Belarus-Netherlands		5*
Belarus-North Macedonia		-
Belarus-Norway		167
Belarus-Poland		2,094
Belarus-Portugal		18
Belarus-Republic of Korea		-
Belarus-Republic of Moldova		-
Belarus-Russian Federation		30,231
Belarus-Rwanda		-
Belarus-Serbia		2,778
Belarus-Slovakia		-
Belarus-Spain		16*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belarus-Sweden		-
Belarus-Switzerland		54
Belarus-Tajikistan		155*
Belarus-Tunisia		-
Belarus-Türkiye		52,881
Belarus-Turkmenistan		-
Belarus-Ukraine		4,822
Belarus-United Arab Emirates		14,000
Belarus-United Kingdom		1,129
Belarus-United States		439
Belarus-Uzbekistan		10,148
Belarus-Viet Nam		-
Belgium-Afghanistan	525	
Belgium-Albania	5,106	
Belgium-Algeria		10*
Belgium-Angola		7,982
Belgium-Armenia	3,084	
Belgium-Austria	18,515	
Belgium-Azerbaijan	1,799	
Belgium-Bahamas		74
Belgium-Bahrain		18,799
Belgium-Bangladesh		520
Belgium-Belarus		9*
Belgium-Benin	2,327	
Belgium-Bosnia and Herzegovina	1,155	
Belgium-Brazil		31,590
Belgium-Bulgaria	9,459	
Belgium-Burkina Faso	3,062	
Belgium-Burundi		8,381
Belgium-Cabo Verde		1,526
Belgium-Cameroon	42,572	
Belgium-Canada	24,795	
Belgium-Central African Republic		225*
Belgium-Chile		427
Belgium-China		674,990
Belgium-Colombia		173
Belgium-Congo		-
Belgium-Costa Rica	-	
Belgium-Côte d'Ivoire	28,268	
Belgium-Croatia	6,640	
Belgium-Cuba		452
Belgium-Cyprus	8,860	
Belgium-Czechia	6,003	
Belgium-Democratic Republic of the Congo	43,359	
Belgium-Denmark	13,244	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belgium-Dominican Republic	9,730	
Belgium-Egypt		27,679
Belgium-Estonia	2,270	
Belgium-Ethiopia		36,908
Belgium-Finland	10,974	
Belgium-France	79,434	
Belgium-Gabon	2,003	
Belgium-Gambia		10,247*
Belgium-Georgia	1,884	
Belgium-Germany	68,853	
Belgium-Ghana	42,431	
Belgium-Greece	70,012	
Belgium-Guatemala	420	
Belgium-Guinea		313*
Belgium-Hungary	10,219	
Belgium-Iceland	18,695	
Belgium-India		33,965
Belgium-Indonesia	61	
Belgium-Iran (Islamic Republic of)		-
Belgium-Iraq		-
Belgium-Ireland	11,632	
Belgium-Israel	75,345	
Belgium-Italy	92,813	
Belgium-Japan	93,398	
Belgium-Jordan		3,385
Belgium-Kazakhstan	90,479	
Belgium-Kenya	2,571	
Belgium-Kuwait		774
Belgium-Kyrgyzstan		292
Belgium-Latvia	3,570	
Belgium-Lebanon		3,248
Belgium-Liberia		4,459
Belgium-Libya		429
Belgium-Lithuania	2,294	
Belgium-Luxembourg	406	
Belgium-Madagascar	37	
Belgium-Malawi		-
Belgium-Malaysia	454	
Belgium-Maldives		102
Belgium-Mali		2,779
Belgium-Malta	6,356	
Belgium-Mauritius		4,115
Belgium-Mexico	38,210	
Belgium-Montenegro	815	
Belgium-Morocco		80,370

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belgium-Netherlands	5,827	
Belgium-Niger		9,793
Belgium-Nigeria	72,512	
Belgium-North Macedonia	1,793	
Belgium-Norway	21,909	
Belgium-Pakistan		218*
Belgium-Philippines	1,081	
Belgium-Poland	17,275	
Belgium-Portugal	62,406	
Belgium-Qatar	167,188	
Belgium-Republic of Korea	56,815	
Belgium-Republic of Moldova	1,817	
Belgium-Romania	26,731	
Belgium-Russian Federation		97,304
Belgium-Rwanda	35,592	
Belgium-Saudi Arabia	86,834	
Belgium-Senegal		24,480
Belgium-Serbia	2,040	
Belgium-Seychelles		-
Belgium-Sierra Leone		23,003
Belgium-Singapore	425*	
Belgium-Slovakia	827	
Belgium-Slovenia	2,250	
Belgium-South Africa		47,009
Belgium-Spain	238,680	
Belgium-Sudan		-
Belgium-Sweden	23,882	
Belgium-Switzerland	11,932	
Belgium-Thailand	6,688	
Belgium-Togo		1,279
Belgium-Trinidad and Tobago		286
Belgium-Tunisia		5,874
Belgium-Türkiye	85,789	
Belgium-Uganda	8,228	
Belgium-Ukraine	620	
Belgium-United Arab Emirates	180,839	
Belgium-United Kingdom	47,350	
Belgium-United Republic of Tanzania	77	
Belgium-United States	757,985	
Belgium-Uzbekistan		3,162
Belgium-Viet Nam		241*
Belgium-Zambia	15,928	
Belize-Canada		498
Belize-Costa Rica		4
Belize-Cuba		3

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belize-Dominican Republic		13
Belize-El Salvador		79
Belize-Guatemala		22
Belize-Honduras		72
Belize-Mexico		49
Belize-Nicaragua		16
Belize-Panama		594
Belize-United Kingdom		11
Belize-United States		49,416
Benin-Algeria		6*
Benin-Bahamas		56
Benin-Belgium	2,010	
Benin-Burkina Faso	10	
Benin-Cameroon	1,588	
Benin-Chad		337
Benin-Congo		3,126
Benin-Côte d'Ivoire	9,127	
Benin-Democratic Republic of the Congo	1,180*	
Benin-Egypt		19
Benin-Ethiopia		11,208
Benin-France	29,565	
Benin-Gabon	2,161	
Benin-Germany	183	
Benin-Ghana	94	
Benin-Guinea		-
Benin-Kenya	-	
Benin-Madagascar	55	
Benin-Mali		3,777
Benin-Malta	14	
Benin-Mauritania		38
Benin-Morocco		-
Benin-Niger		195
Benin-Nigeria	272	
Benin-Portugal	62	
Benin-Rwanda	-	
Benin-Senegal		3,389
Benin-Sierra Leone		28
Benin-South Africa		44*
Benin-Spain	46	
Benin-Togo		849
Benin-Türkiye	155	
Benin-United Kingdom	73	
Benin-United Republic of Tanzania	46	
Bolivia (Plurinational State of)-Argentina		6,843
Bolivia (Plurinational State of)-Brazil		7,399

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bolivia (Plurinational State of)-Chile		2,342
Bolivia (Plurinational State of)-Colombia		3,735
Bolivia (Plurinational State of)-Costa Rica		8
Bolivia (Plurinational State of)-Dominican Republic		48
Bolivia (Plurinational State of)-Guyana		91
Bolivia (Plurinational State of)-Mexico		122
Bolivia (Plurinational State of)-Panama		17,823
Bolivia (Plurinational State of)-Paraguay		42
Bolivia (Plurinational State of)-Peru		3,888
Bolivia (Plurinational State of)-Spain		41,910
Bolivia (Plurinational State of)-United States		42,569
Bolivia (Plurinational State of)-Uruguay		123
Bosnia and Herzegovina-Albania	26	
Bosnia and Herzegovina-Austria	3,984	
Bosnia and Herzegovina-Azerbaijan	46	
Bosnia and Herzegovina-Bahamas		51
Bosnia and Herzegovina-Bahrain		735
Bosnia and Herzegovina-Belgium	1,180	
Bosnia and Herzegovina-Bulgaria	30	
Bosnia and Herzegovina-Croatia	792	
Bosnia and Herzegovina-Czechia	10	
Bosnia and Herzegovina-Denmark	1,946	
Bosnia and Herzegovina-Egypt		319
Bosnia and Herzegovina-Finland	18	
Bosnia and Herzegovina-France	3,324	
Bosnia and Herzegovina-Germany	14,669	
Bosnia and Herzegovina-Greece	32	
Bosnia and Herzegovina-Hungary	52	
Bosnia and Herzegovina-Ireland	194	
Bosnia and Herzegovina-Israel	7	
Bosnia and Herzegovina-Italy	106	
Bosnia and Herzegovina-Kazakhstan	70	
Bosnia and Herzegovina-Kuwait		2,697
Bosnia and Herzegovina-Montenegro	18	
Bosnia and Herzegovina-Netherlands	2,942	
Bosnia and Herzegovina-North Macedonia	34	
Bosnia and Herzegovina-Norway	76	
Bosnia and Herzegovina-Poland	72	
Bosnia and Herzegovina-Portugal	22	
Bosnia and Herzegovina-Republic of Moldova	11*	
Bosnia and Herzegovina-Romania	69	
Bosnia and Herzegovina-Russian Federation		66
Bosnia and Herzegovina-Saudi Arabia	72*	
Bosnia and Herzegovina-Serbia	455	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bosnia and Herzegovina-Slovakia	-	
Bosnia and Herzegovina-Slovenia	4	
Bosnia and Herzegovina-Spain	93	
Bosnia and Herzegovina-Sweden	10,433	
Bosnia and Herzegovina-Switzerland	830	
Bosnia and Herzegovina-Tunisia		85
Bosnia and Herzegovina-Türkiye	12,676	
Bosnia and Herzegovina-Ukraine	81	
Bosnia and Herzegovina-United Arab Emirates	15,993	
Bosnia and Herzegovina-United Kingdom	70	
Bosnia and Herzegovina-United States	529	
Botswana-Angola		9
Botswana-Chad		15
Botswana-Czechia	46	
Botswana-Democratic Republic of the Congo	684	
Botswana-Djibouti		38
Botswana-Ethiopia		6,459
Botswana-France	92	
Botswana-Kenya	196	
Botswana-Madagascar	68	
Botswana-Mozambique		113
Botswana-Namibia	126	
Botswana-Portugal	48	
Botswana-Rwanda	175	
Botswana-Seychelles		28
Botswana-Slovakia	42	
Botswana-South Africa		6,898
Botswana-Spain	38	
Botswana-Switzerland	45	
Botswana-Uganda	16	
Botswana-United Arab Emirates	189	
Botswana-United Kingdom	54	
Botswana-United Republic of Tanzania	38	
Botswana-Zambia	6	
Brazil-Algeria		79
Brazil-Angola		1,854
Brazil-Antigua and Barbuda		29*
Brazil-Argentina		57,922
Brazil-Austria		53
Brazil-Bahamas		426
Brazil-Barbados		100
Brazil-Belgium		30,288
Brazil-Bolivia (Plurinational State of)		8,399
Brazil-Cabo Verde		1,210
Brazil-Canada		36,172

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Brazil-Chile		174,589
Brazil-Colombia		56,017
Brazil-Costa Rica		64
Brazil-Denmark		1,958
Brazil-Djibouti		209
Brazil-Dominican Republic		1,560
Brazil-Ecuador		58,196
Brazil-El Salvador		128
Brazil-Ethiopia		54,153
Brazil-France		147,206
Brazil-Gambia		-
Brazil-Germany		197,111
Brazil-Ghana		10,912
Brazil-Grenada		31
Brazil-Guatemala		119
Brazil-Guinea		-
Brazil-Guyana		348
Brazil-Haiti		1,097
Brazil-Ireland		53
Brazil-Italy		35,722
Brazil-Jamaica		127
Brazil-Kenya		781
Brazil-Liberia		-
Brazil-Luxembourg		97,958
Brazil-Maldives		67
Brazil-Mexico		108,922
Brazil-Morocco		-
Brazil-Mozambique		318
Brazil-Namibia		-
Brazil-Netherlands		160,203
Brazil-Nicaragua		56
Brazil-Nigeria		316
Brazil-Panama		105,117
Brazil-Paraguay		4,156
Brazil-Peru		31,858
Brazil-Portugal		313,499
Brazil-Qatar		-
Brazil-Saudi Arabia		51
Brazil-Senegal		16,750
Brazil-Serbia		238
Brazil-South Africa		37*
Brazil-Spain		132,420
Brazil-Suriname		133
Brazil-Sweden		41
Brazil-Switzerland		91,091

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Brazil-Türkiye		91,399
Brazil-United Arab Emirates		154,046
Brazil-United Kingdom		41,165
Brazil-United States		696,504
Brazil-Uruguay		13,048
Brazil-Venezuela (Bolivarian Republic of)		359
Brunei Darussalam-Australia		10,931
Brunei Darussalam-China		4,619
Brunei Darussalam-India		255
Brunei Darussalam-Indonesia		3,875
Brunei Darussalam-Japan		44
Brunei Darussalam-Malaysia		2,627
Brunei Darussalam-Nepal		-
Brunei Darussalam-Philippines		1,132
Brunei Darussalam-Singapore		6,124
Brunei Darussalam-Thailand		3,197
Brunei Darussalam-United Arab Emirates		215
Brunei Darussalam-United Kingdom		3,299
Brunei Darussalam-Viet Nam		268
Bulgaria-Afghanistan	7,347	
Bulgaria-Albania	286	
Bulgaria-Algeria		400*
Bulgaria-Argentina		159
Bulgaria-Austria	11,830	
Bulgaria-Azerbaijan	2,609	
Bulgaria-Bahrain		2,170
Bulgaria-Belarus		-
Bulgaria-Belgium	10,000	
Bulgaria-Bosnia and Herzegovina	49	
Bulgaria-Canada	161	
Bulgaria-China		98
Bulgaria-Côte d'Ivoire	-	
Bulgaria-Croatia	393	
Bulgaria-Cyprus	3,594	
Bulgaria-Czechia	11,100	
Bulgaria-Denmark	3,924	
Bulgaria-Djibouti		2,645
Bulgaria-Egypt		908
Bulgaria-Estonia	-	
Bulgaria-Finland	357	
Bulgaria-France	15,047	
Bulgaria-Georgia	177	
Bulgaria-Germany	74,887	
Bulgaria-Greece	5,535	
Bulgaria-Hungary	1,192	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bulgaria-Iceland	64	
Bulgaria-India		725
Bulgaria-Iraq		2,620
Bulgaria-Ireland	9,278	
Bulgaria-Israel	7,205	
Bulgaria-Italy	16,529	
Bulgaria-Jordan		1,387
Bulgaria-Kazakhstan	66	
Bulgaria-Kenya	353	
Bulgaria-Kuwait		10,453
Bulgaria-Kyrgyzstan		14
Bulgaria-Latvia	14*	
Bulgaria-Lebanon		6
Bulgaria-Lithuania	1,300	
Bulgaria-Luxembourg	1,151	
Bulgaria-Malaysia	50	
Bulgaria-Maldives		41*
Bulgaria-Malta	1,720	
Bulgaria-Mauritania		275
Bulgaria-Mongolia		30
Bulgaria-Montenegro	22	
Bulgaria-Morocco		43
Bulgaria-Netherlands	18,011	
Bulgaria-North Macedonia	465	
Bulgaria-Norway	896	
Bulgaria-Oman		302
Bulgaria-Pakistan		-
Bulgaria-Poland	19,465	
Bulgaria-Portugal	1,332	
Bulgaria-Qatar	14,652*	
Bulgaria-Republic of Korea	727	
Bulgaria-Republic of Moldova	14*	
Bulgaria-Romania	3,973	
Bulgaria-Russian Federation		15,731
Bulgaria-Saint Vincent and the Grenadines		53
Bulgaria-Saudi Arabia	2,097	
Bulgaria-Serbia	282	
Bulgaria-Slovakia	793	
Bulgaria-Slovenia	22	
Bulgaria-South Africa		43
Bulgaria-Spain	23,638	
Bulgaria-Sweden	356	
Bulgaria-Switzerland	3,020	
Bulgaria-Tunisia		67
Bulgaria-Türkiye	6,508	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bulgaria-Uganda	252	
Bulgaria-Ukraine	1,378	
Bulgaria-United Arab Emirates	11,785	
Bulgaria-United Kingdom	59,356	
Bulgaria-United States	61,960	
Bulgaria-Uzbekistan		14
Burkina Faso-Algeria		445*
Burkina Faso-Angola		38
Burkina Faso-Belarus		-
Burkina Faso-Benin	54	
Burkina Faso-Cabo Verde		15
Burkina Faso-Cameroon	16	
Burkina Faso-Chad		105
Burkina Faso-Congo		40
Burkina Faso-Côte d'Ivoire	3,606	
Burkina Faso-Czechia	164	
Burkina Faso-Democratic Republic of the Congo	104	
Burkina Faso-Egypt		126
Burkina Faso-Equatorial Guinea	13	
Burkina Faso-Ethiopia		6,061
Burkina Faso-France	16,853	
Burkina Faso-Gambia		38
Burkina Faso-Germany	913	
Burkina Faso-Ghana	4,276	
Burkina Faso-Guinea		2,748
Burkina Faso-Guinea-Bissau		17
Burkina Faso-Italy	163	
Burkina Faso-Latvia	101	
Burkina Faso-Liberia		7
Burkina Faso-Mali		459
Burkina Faso-Malta	12	
Burkina Faso-Mauritania		60
Burkina Faso-Morocco		-
Burkina Faso-Niger		5,628
Burkina Faso-Nigeria	22	
Burkina Faso-Portugal	186	
Burkina Faso-Qatar	-	
Burkina Faso-Senegal		304
Burkina Faso-Serbia	-	
Burkina Faso-Sierra Leone		2,971
Burkina Faso-Spain	1,100	
Burkina Faso-Sudan		50
Burkina Faso-Switzerland	19	
Burkina Faso-Togo		3,388
Burkina Faso-Tunisia		943

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Burkina Faso-Türkiye	17,744	
Burkina Faso-Uganda	71	
Burkina Faso-United Arab Emirates	204	
Burkina Faso-United States	36	
Burundi-Belgium		134
Burundi-Central African Republic		98*
Burundi-Democratic Republic of the Congo		19
Burundi-Djibouti		51
Burundi-Egypt		46
Burundi-Ethiopia		7,419
Burundi-Kenya		-
Burundi-Madagascar		23
Burundi-Qatar		-
Burundi-Rwanda		2,135
Burundi-Uganda		1,583
Burundi-United Arab Emirates		83
Burundi-United Republic of Tanzania		11
Cabo Verde-Albania		149
Cabo Verde-Angola		94
Cabo Verde-Argentina		304
Cabo Verde-Bahamas		174
Cabo Verde-Barbados		17*
Cabo Verde-Belgium		1,508
Cabo Verde-Benin		13
Cabo Verde-Brazil		35,990
Cabo Verde-Burkina Faso		21
Cabo Verde-Cameroon		-
Cabo Verde-Colombia		33
Cabo Verde-Costa Rica		487
Cabo Verde-Côte d'Ivoire		6
Cabo Verde-Czechia		1,473
Cabo Verde-Denmark		1,487
Cabo Verde-Dominican Republic		86
Cabo Verde-Egypt		32
Cabo Verde-Finland		189
Cabo Verde-France		2,218
Cabo Verde-Gambia		10
Cabo Verde-Germany		5,148
Cabo Verde-Ghana		66*
Cabo Verde-Guinea		14
Cabo Verde-Guinea-Bissau		18*
Cabo Verde-Italy		79
Cabo Verde-Kyrgyzstan		645
Cabo Verde-Luxembourg		2,388
Cabo Verde-Morocco		21*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cabo Verde-Netherlands		3,257
Cabo Verde-Nigeria		191
Cabo Verde-North Macedonia		51
Cabo Verde-Norway		97
Cabo Verde-Pakistan		1,347
Cabo Verde-Panama		36
Cabo Verde-Poland		-
Cabo Verde-Portugal		29,749
Cabo Verde-Romania		91
Cabo Verde-Russian Federation		758
Cabo Verde-Sao Tome and Principe		44
Cabo Verde-Saudi Arabia		239
Cabo Verde-Senegal		1,124
Cabo Verde-South Africa		131
Cabo Verde-Spain		2,149
Cabo Verde-Sweden		1,249
Cabo Verde-Switzerland		18*
Cabo Verde-Trinidad and Tobago		804
Cabo Verde-Türkiye		-
Cabo Verde-Ukraine		262
Cabo Verde-United Arab Emirates		1,119
Cabo Verde-United Kingdom		4,629
Cabo Verde-United Republic of Tanzania		-
Cabo Verde-United States		509
Cabo Verde-Uruguay		40
Cabo Verde-Venezuela (Bolivarian Republic of)		637
Cambodia-Azerbaijan		-
Cambodia-Bangladesh		-
Cambodia-China		37,818
Cambodia-Egypt		216
Cambodia-Ethiopia		234
Cambodia-Georgia		422
Cambodia-India		4,781
Cambodia-Indonesia		72
Cambodia-Japan		3,559
Cambodia-Jordan		-
Cambodia-Kazakhstan		40
Cambodia-Lao People's Democratic Republic		5*
Cambodia-Malaysia		475
Cambodia-Maldives		135
Cambodia-Myanmar		67*
Cambodia-Nepal		-
Cambodia-Pakistan		-
Cambodia-Philippines		2,167
Cambodia-Qatar		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cambodia-Republic of Korea		21,894
Cambodia-Russian Federation		182
Cambodia-Singapore (excluding data from Singapore)		87
Cambodia-Spain		685
Cambodia-Sri Lanka		15
Cambodia-Thailand		4,342
Cambodia-Türkiye		26,429
Cambodia-Ukraine		342
Cambodia-United Arab Emirates		20,756
Cambodia-United Kingdom		-
Cambodia-Viet Nam		193
Cameroon-Algeria		44*
Cameroon-Angola		66
Cameroon-Belgium	35,228	
Cameroon-Benin	2,609	
Cameroon-Brazil		214
Cameroon-Burkina Faso	102	
Cameroon-Central African Republic		7,323
Cameroon-Chad		1,670*
Cameroon-Congo		2,230
Cameroon-Côte d'Ivoire	3,829	
Cameroon-Croatia	-	
Cameroon-Czechia	152	
Cameroon-Democratic Republic of the Congo	1,177	
Cameroon-Djibouti		84
Cameroon-Egypt		4,244*
Cameroon-Equatorial Guinea	31	
Cameroon-Ethiopia		22,983
Cameroon-France	48,827	
Cameroon-Gabon	769	
Cameroon-Germany	401	
Cameroon-Ghana	173	
Cameroon-Greece	44	
Cameroon-Guinea		29
Cameroon-Kenya	-	
Cameroon-Lebanon		18
Cameroon-Mali		-
Cameroon-Mauritania		33
Cameroon-Mauritius		19
Cameroon-Morocco		-
Cameroon-Netherlands	86	
Cameroon-Nigeria	2,132	
Cameroon-Qatar	150	
Cameroon-Rwanda	457*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cameroon-Senegal		75*
Cameroon-Sierra Leone		19
Cameroon-South Africa		209
Cameroon-Switzerland	138	
Cameroon-Togo		4,138
Cameroon-Türkiye	17,541	
Cameroon-Uganda	-	
Cameroon-United Arab Emirates	157	
Cameroon-United Republic of Tanzania	-	
Canada-Algeria		-
Canada-Antigua and Barbuda		1,692
Canada-Argentina		1,594
Canada-Australia	49,262*	
Canada-Austria	14,783	
Canada-Bahamas		5,861
Canada-Bangladesh		303
Canada-Barbados		8,020
Canada-Belgium	56,066	
Canada-Belize		541
Canada-Brazil		33,886
Canada-Bulgaria	154	
Canada-Chile		1,418
Canada-China		672,888
Canada-Colombia		18,824
Canada-Costa Rica	10,761	
Canada-Croatia	160	
Canada-Cuba		32,256
Canada-Czechia	303	
Canada-Denmark	6,602	
Canada-Djibouti		228
Canada-Dominica		23
Canada-Dominican Republic	42,761	
Canada-Ecuador		13,350
Canada-Egypt		8,346*
Canada-El Salvador	5,305	
Canada-Ethiopia		40,774
Canada-Finland	440	
Canada-France	299,910	
Canada-Germany	298,119	
Canada-Ghana	351	
Canada-Greece	34,030	
Canada-Grenada		679
Canada-Guatemala	3,687	
Canada-Guyana	4,563	
Canada-Haiti		2,707

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Canada-Honduras	278	
Canada-Hungary	206	
Canada-Iceland	10,824	
Canada-India		192,687
Canada-Ireland	14,490	
Canada-Israel	32,982	
Canada-Italy	33,170	
Canada-Jamaica	24,915	
Canada-Japan	161,260	
Canada-Jordan		-
Canada-Kuwait		182
Canada-Latvia	449	
Canada-Luxembourg	23,999	
Canada-Malta	641	
Canada-Mauritania		62
Canada-Mexico	164,553	
Canada-Montenegro	54	
Canada-Morocco		28,023
Canada-Netherlands	158,351	
Canada-New Zealand	342*	
Canada-Nicaragua		142
Canada-Norway	641	
Canada-Pakistan		46,629
Canada-Panama		17,028
Canada-Peru		15,286
Canada-Philippines	52,101	
Canada-Poland	29,971	
Canada-Portugal	41,116	
Canada-Qatar	41,275*	
Canada-Republic of Korea	507,927	
Canada-Romania	618	
Canada-Russian Federation		15,712
Canada-Saint Kitts and Nevis		134
Canada-Saint Lucia		1,593
Canada-Saint Vincent and the Grenadines		299
Canada-Senegal		106
Canada-Singapore	5,147*	
Canada-Spain	32,757	
Canada-Suriname		73
Canada-Sweden	473	
Canada-Switzerland	58,034	
Canada-Trinidad and Tobago		2,980
Canada-Tunisia		8,241
Canada-Türkiye	141,332	
Canada-United Arab Emirates	194,475	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Canada-United Kingdom	251,778	
Canada-United States	901,079	
Central African Republic-Algeria		-
Central African Republic-Angola		-
Central African Republic-Benin		-
Central African Republic-Burundi		99*
Central African Republic-Cameroon		6,183
Central African Republic-Chad		98
Central African Republic-Congo		36*
Central African Republic-Democratic Republic of the Congo		67*
Central African Republic-Egypt		277
Central African Republic-Ethiopia		830
Central African Republic-France		8,872
Central African Republic-Gabon		116
Central African Republic-Jordan		-
Central African Republic-Kenya		-
Central African Republic-Malawi		-
Central African Republic-Morocco		262*
Central African Republic-Netherlands		50
Central African Republic-Pakistan		740
Central African Republic-Portugal		363
Central African Republic-Rwanda		1,427
Central African Republic-Saudi Arabia		340
Central African Republic-Senegal		229
Central African Republic-Serbia		52
Central African Republic-South Sudan		78
Central African Republic-Spain		113
Central African Republic-Sudan		30*
Central African Republic-Togo		18
Central African Republic-Uganda		1,819
Central African Republic-United Republic of Tanzania		-
Central African Republic-Zambia		248
Chad-Algeria		35*
Chad-Benin		483
Chad-Burkina Faso		145
Chad-Burundi		12
Chad-Cameroon		1,770
Chad-Central African Republic		255
Chad-Democratic Republic of the Congo		2,246
Chad-Djibouti		211
Chad-Egypt		5,367
Chad-Eswatini		-
Chad-Ethiopia		11,452

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Chad-France		8,868
Chad-Gabon		6
Chad-Ghana		97*
Chad-Jordan		108
Chad-Kenya		714
Chad-Mali		68
Chad-Mauritania		15
Chad-Morocco		361*
Chad-Niger		18
Chad-Nigeria		2,202
Chad-Portugal		65
Chad-Senegal		45
Chad-Spain		15
Chad-Sudan		39
Chad-Switzerland		17
Chad-Togo		138
Chad-Türkiye		4,125
Chad-United Arab Emirates		71*
Chad-Zimbabwe		13
Chile-Argentina		18,820
Chile-Australia		3,615
Chile-Bahamas		510
Chile-Barbados		305
Chile-Belgium		355
Chile-Bolivia (Plurinational State of)		2,615
Chile-Brazil		44,339
Chile-Canada		2,393
Chile-Colombia		51,904
Chile-Costa Rica		628
Chile-Dominican Republic		2,202
Chile-Ecuador		39,897
Chile-El Salvador		218
Chile-France		41,810
Chile-Germany		223
Chile-Ghana		524*
Chile-Guatemala		124
Chile-Haiti		1,402
Chile-Jamaica		283
Chile-Mexico		40,524
Chile-Netherlands		33,354
Chile-Panama		46,553
Chile-Paraguay		2,106
Chile-Peru		73,338
Chile-Portugal		2,091
Chile-Senegal		1,747*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Chile-Spain		121,990
Chile-United Kingdom		3,792
Chile-United States		725,362
Chile-Uruguay		2,125
Chile-Venezuela (Bolivarian Republic of)		206
China-Afghanistan		128
China-Algeria		447*
China-Australia		811,381
China-Austria		62,030
China-Azerbaijan		438,293
China-Bahrain		13,430
China-Bangladesh		163,350
China-Belarus		6,585
China-Belgium		690,364
China-Brunei Darussalam		3,322
China-Bulgaria		268
China-Cambodia		37,244
China-Canada		676,466
China-Comoros		192
China-Cyprus		166
China-Czechia		16,922
China-Democratic Republic of the Congo		413
China-Denmark		45,397
China-Djibouti		1,243
China-Egypt		35,248
China-El Salvador		359
China-Eritrea		798
China-Estonia		8,573
China-Ethiopia		479,829
China-Fiji		-
China-Finland		83,012
China-France		463,940
China-Gabon		333
China-Georgia		37,575
China-Germany		1,463,289
China-Greece		4,220
China-Hungary		20,809
China-Iceland		3,346*
China-India		512,215
China-Indonesia		217,636
China-Iran (Islamic Republic of)		112,372*
China-Iraq		-
China-Israel		207,301
China-Italy		330,806
China-Japan		1,538,211

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
China-Jordan		-
China-Kazakhstan		445,946
China-Kenya		35,398
China-Kuwait		24,659*
China-Kyrgyzstan		23,865
China-Lao People's Democratic Republic		3,098
China-Latvia		6,736
China-Lebanon		319
China-Lithuania		325
China-Luxembourg		13,979
China-Madagascar		778
China-Malaysia		414,284
China-Maldives		228
China-Malta		1,280*
China-Mauritius		1,046
China-Mexico		245
China-Mongolia		8,584
China-Morocco		-
China-Myanmar		27,659
China-Nepal		22,178
China-Netherlands		778,387
China-New Zealand		209,902
China-Niger		282
China-North Macedonia		369
China-Oman		19,369
China-Pakistan		59,181
China-Palau		1,676
China-Papua New Guinea		4,995
China-Philippines		235,610
China-Poland		21,282
China-Portugal		13,981
China-Qatar		820*
China-Republic of Korea		989,157
China-Russian Federation		977,261
China-Rwanda		-
China-Saudi Arabia		106,043
China-Senegal		494
China-Serbia		2,578
China-Singapore		958,681
China-South Africa		11,581
China-South Sudan		1,387
China-Spain		145,606
China-Sri Lanka		71,275
China-Sweden		12,107
China-Switzerland		151,353

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
China-Tajikistan		670
China-Thailand		498,424
China-Timor-Leste		36
China-Türkiye		476,127
China-Turkmenistan		18,201
China-Ukraine		1,576
China-United Arab Emirates		1,092,117
China-United Kingdom		1,116,616
China-United Republic of Tanzania		532
China-United States		7,875,048
China-Uzbekistan		58,831
China-Viet Nam		360,676
Colombia-Antigua and Barbuda		33
Colombia-Argentina		24,046
Colombia-Bahamas		162
Colombia-Barbados		91
Colombia-Belgium		39
Colombia-Bolivia (Plurinational State of)		6,603
Colombia-Brazil		22,963
Colombia-Cabo Verde		35*
Colombia-Canada		31,229
Colombia-Chile		61,256
Colombia-Costa Rica		6,207
Colombia-Cuba		2,879
Colombia-Dominican Republic		21,681
Colombia-Ecuador		28,032
Colombia-Egypt		176
Colombia-El Salvador		7,679
Colombia-France		31,924
Colombia-Germany		28,449
Colombia-Guatemala		2,447
Colombia-Italy		88
Colombia-Jamaica		33
Colombia-Mexico		126,580
Colombia-Morocco		746
Colombia-Netherlands		52,101
Colombia-Panama		70,903
Colombia-Paraguay		12,182
Colombia-Peru		29,194
Colombia-Portugal		1,096
Colombia-Russian Federation		660
Colombia-Saint Vincent and the Grenadines		19
Colombia-Spain		181,532
Colombia-Switzerland		92
Colombia-United Kingdom		19

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Colombia-United States		867,499
Colombia-Uruguay		5,704
Colombia-Venezuela (Bolivarian Republic of)		4,653
Comoros-Egypt		43
Comoros-Ethiopia		3,431
Comoros-France		43
Comoros-Jordan		-
Comoros-Kenya		-
Comoros-Madagascar		4
Comoros-Seychelles		28
Comoros-United Arab Emirates		412
Comoros-United Republic of Tanzania		3,875
Congo-Algeria		-
Congo-Angola		30
Congo-Belgium		24
Congo-Benin		3,130
Congo-Burkina Faso		40
Congo-Cameroon		2,000
Congo-Central African Republic		369
Congo-Chad		49
Congo-Côte d'Ivoire		16*
Congo-Cuba		262
Congo-Cyprus		20
Congo-Democratic Republic of the Congo		1,525
Congo-Djibouti		70
Congo-Egypt		43
Congo-Equatorial Guinea		-
Congo-Ethiopia		16,363
Congo-France		43,554
Congo-Gabon		39
Congo-Guinea-Bissau		16
Congo-Italy		21
Congo-Kenya		3,257
Congo-Madagascar		34
Congo-Morocco		-
Congo-Mozambique		27
Congo-Nigeria		51
Congo-Rwanda		19*
Congo-Saudi Arabia		-
Congo-Senegal		123
Congo-Sierra Leone		36
Congo-South Africa		117
Congo-Spain		159
Congo-Togo		1,128
Congo-Tunisia		136

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Congo-Uganda		115
Congo-United Arab Emirates		123
Congo-United Republic of Tanzania		68
Cook Islands-Fiji		-
Cook Islands-New Zealand		-
Cook Islands-United States		-
Costa Rica-Antigua and Barbuda		21
Costa Rica-Argentina		26
Costa Rica-Austria	57	
Costa Rica-Bahamas		116
Costa Rica-Barbados		64
Costa Rica-Belgium	-	
Costa Rica-Bolivia (Plurinational State of)		41
Costa Rica-Brazil		82
Costa Rica-Cabo Verde		341
Costa Rica-Canada	9,709	
Costa Rica-Chile		405*
Costa Rica-Colombia		504
Costa Rica-Cuba		13
Costa Rica-Czechia	49	
Costa Rica-Dominican Republic	2,138	
Costa Rica-Ecuador		1,420
Costa Rica-El Salvador	4,815	
Costa Rica-France	27,793	
Costa Rica-Germany	32,776	
Costa Rica-Guatemala	6,656	
Costa Rica-Honduras	1,372	
Costa Rica-Iceland	83	
Costa Rica-Ireland	192	
Costa Rica-Italy	-	
Costa Rica-Jamaica	20	
Costa Rica-Mexico	22,477	
Costa Rica-Netherlands	16,189	
Costa Rica-Nicaragua		33
Costa Rica-Panama		14,569
Costa Rica-Peru		23
Costa Rica-Portugal	619*	
Costa Rica-Russian Federation		-
Costa Rica-Saint Vincent and the Grenadines		35
Costa Rica-Spain	53,022	
Costa Rica-Switzerland	11,923	
Costa Rica-Trinidad and Tobago		126
Costa Rica-United Kingdom	2,976	
Costa Rica-United States	372,436	
Costa Rica-Venezuela (Bolivarian Republic of)		79

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Côte d'Ivoire-Algeria		-
Côte d'Ivoire-Angola		26
Côte d'Ivoire-Belarus		-
Côte d'Ivoire-Belgium	20,300	
Côte d'Ivoire-Benin	5,775	
Côte d'Ivoire-Brazil		155
Côte d'Ivoire-Burkina Faso	2,843	
Côte d'Ivoire-Cameroon	3,989	
Côte d'Ivoire-Central African Republic		39
Côte d'Ivoire-Congo		18*
Côte d'Ivoire-Democratic Republic of the Congo	295*	
Côte d'Ivoire-Djibouti		32
Côte d'Ivoire-Egypt		22
Côte d'Ivoire-Ethiopia		25,188
Côte d'Ivoire-France	107,155	
Côte d'Ivoire-Gabon	2,129	
Côte d'Ivoire-Ghana	11,927	
Côte d'Ivoire-Guinea		7,995
Côte d'Ivoire-Guinea-Bissau		4*
Côte d'Ivoire-Kenya	-	
Côte d'Ivoire-Lebanon		-
Côte d'Ivoire-Liberia		1,051
Côte d'Ivoire-Luxembourg	62	
Côte d'Ivoire-Madagascar	24	
Côte d'Ivoire-Mali		6,698
Côte d'Ivoire-Mauritania		-
Côte d'Ivoire-Morocco		12,894
Côte d'Ivoire-Mozambique		-
Côte d'Ivoire-Niger		3,066
Côte d'Ivoire-Nigeria	6,222	
Côte d'Ivoire-Portugal	1,770	
Côte d'Ivoire-Senegal		14,922
Côte d'Ivoire-Sierra Leone		-
Côte d'Ivoire-South Africa		-
Côte d'Ivoire-Spain	443	
Côte d'Ivoire-Togo		4,460
Côte d'Ivoire-Tunisia		2,511
Côte d'Ivoire-Türkiye	21,408	
Côte d'Ivoire-United Arab Emirates	828	
Côte d'Ivoire-United Kingdom	66	
Côte d'Ivoire-Uruguay		739
Croatia-Albania	17	
Croatia-Algeria		28
Croatia-Armenia	26	
Croatia-Austria	6,116	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Croatia-Azerbaijan	89*	
Croatia-Belgium	6,987	
Croatia-Bosnia and Herzegovina	663	
Croatia-Bulgaria	347	
Croatia-Burkina Faso	23	
Croatia-Cabo Verde		31
Croatia-Cameroon	-	
Croatia-Canada	30	
Croatia-China		72
Croatia-Cyprus	420	
Croatia-Czechia	2,528	
Croatia-Denmark	6,589	
Croatia-Dominican Republic	90	
Croatia-Egypt		134
Croatia-Estonia	14	
Croatia-Finland	1,692	
Croatia-France	29,437	
Croatia-Germany	56,802	
Croatia-Greece	1,123	
Croatia-Hungary	329	
Croatia-Iceland	92	
Croatia-India		-
Croatia-Iraq		16
Croatia-Ireland	5,553	
Croatia-Israel	151	
Croatia-Italy	8,087	
Croatia-Jordan		-
Croatia-Kuwait		15
Croatia-Latvia	1,866	
Croatia-Lebanon		7
Croatia-Lithuania	292	
Croatia-Luxembourg	441	
Croatia-Maldives		43
Croatia-Malta	182	
Croatia-Montenegro	337	
Croatia-Morocco		-
Croatia-Netherlands	27,885	
Croatia-Nigeria	17	
Croatia-North Macedonia	1,005	
Croatia-Norway	3,551	
Croatia-Poland	10,384	
Croatia-Portugal	1,622	
Croatia-Qatar	-	
Croatia-Republic of Moldova	11*	
Croatia-Romania	522	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Croatia-Russian Federation		19,139
Croatia-Saudi Arabia	73	
Croatia-Serbia	1,618	
Croatia-Slovakia	139	
Croatia-Slovenia	83	
Croatia-South Africa		45
Croatia-Spain	9,696	
Croatia-Sweden	8,323	
Croatia-Switzerland	6,165	
Croatia-Tunisia		4
Croatia-Türkiye	6,880	
Croatia-Ukraine	3,522	
Croatia-United Arab Emirates	1,208	
Croatia-United Kingdom	35,929	
Croatia-United States	17,992	
Croatia-Uzbekistan		18
Cuba-Angola		2,552
Cuba-Argentina		1,288
Cuba-Azerbaijan		346
Cuba-Bahamas		339
Cuba-Barbados		58
Cuba-Brazil		30
Cuba-Canada		20,504
Cuba-Chad		206
Cuba-Colombia		6,173
Cuba-Congo		598
Cuba-Costa Rica		15
Cuba-Dominican Republic		180
Cuba-Ecuador		886
Cuba-Egypt		159
Cuba-France		23,864
Cuba-Gabon		223
Cuba-Germany		5,998
Cuba-Grenada		24
Cuba-Iceland		249
Cuba-Ireland		110
Cuba-Italy		267
Cuba-Jamaica		23
Cuba-Kuwait		248
Cuba-Mexico		4,476
Cuba-Netherlands		175
Cuba-Nicaragua		132
Cuba-Panama		5,362
Cuba-Poland		675*
Cuba-Qatar		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cuba-Russian Federation		82,443
Cuba-Spain		59,465
Cuba-Suriname		-
Cuba-Switzerland		235
Cuba-Trinidad and Tobago		201
Cuba-Türkiye		184
Cuba-United Kingdom		2,380
Cuba-United States		10,552
Cuba-Venezuela (Bolivarian Republic of)		6,240
Cyprus-Albania	62	
Cyprus-Angola		158
Cyprus-Antigua and Barbuda		83
Cyprus-Armenia	383	
Cyprus-Austria	15,135	
Cyprus-Azerbaijan	189	
Cyprus-Bahrain		1,053
Cyprus-Belarus		687
Cyprus-Belgium	4,940	
Cyprus-Benin	31	
Cyprus-Bulgaria	4,003	
Cyprus-Congo		53
Cyprus-Croatia	330	
Cyprus-Czechia	1,984	
Cyprus-Denmark	6,898	
Cyprus-Djibouti		200
Cyprus-Egypt		1,601
Cyprus-Estonia	2,232	
Cyprus-Ethiopia		15
Cyprus-Finland	1,015	
Cyprus-France	7,824	
Cyprus-Georgia	517	
Cyprus-Germany	31,281	
Cyprus-Greece	55,068	
Cyprus-Hungary	6,160	
Cyprus-India		134
Cyprus-Iraq		1,299
Cyprus-Ireland	2,222	
Cyprus-Israel	8,312	
Cyprus-Italy	7,054	
Cyprus-Japan	106	
Cyprus-Jordan		2,546
Cyprus-Kazakhstan	202	
Cyprus-Kenya	296	
Cyprus-Kuwait		200
Cyprus-Kyrgyzstan		35

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cyprus-Latvia	3,351	
Cyprus-Lebanon		1,900
Cyprus-Libya		104*
Cyprus-Lithuania	2,678	
Cyprus-Luxembourg	24	
Cyprus-Malaysia	-	
Cyprus-Maldives		583
Cyprus-Malta	5,037	
Cyprus-Montenegro	44	
Cyprus-Namibia	32	
Cyprus-Netherlands	7,313	
Cyprus-Nigeria	48	
Cyprus-North Macedonia	6	
Cyprus-Norway	916	
Cyprus-Oman		47
Cyprus-Poland	19,067	
Cyprus-Portugal	166	
Cyprus-Qatar	6,872	
Cyprus-Republic of Korea	-	
Cyprus-Republic of Moldova	122	
Cyprus-Romania	6,225	
Cyprus-Russian Federation		84,818
Cyprus-Rwanda	17	
Cyprus-Saudi Arabia	528	
Cyprus-Serbia	3,793	
Cyprus-Seychelles		87
Cyprus-Slovakia	1,654	
Cyprus-Slovenia	22	
Cyprus-Somalia		88
Cyprus-Spain	1,041	
Cyprus-Sri Lanka		234
Cyprus-Sweden	7,795	
Cyprus-Switzerland	8,455	
Cyprus-Tunisia		21
Cyprus-Türkiye	732	
Cyprus-Uganda	22	
Cyprus-Ukraine	12,085	
Cyprus-United Arab Emirates	16,534	
Cyprus-United Kingdom	118,835	
Cyprus-United Republic of Tanzania	32	
Cyprus-United States	369	
Cyprus-Uzbekistan		31
Cyprus-Viet Nam		-
Czechia-Albania	408	
Czechia-Algeria		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Czechia-Armenia	-	
Czechia-Austria	1,961	
Czechia-Azerbaijan	462	
Czechia-Bahamas		102
Czechia-Bangladesh		306
Czechia-Belarus		4*
Czechia-Belgium	5,673	
Czechia-Bosnia and Herzegovina	20	
Czechia-Brazil		167
Czechia-Bulgaria	10,416	
Czechia-Cabo Verde		1,409
Czechia-Canada	1,807	
Czechia-China		13,102
Czechia-Colombia		100
Czechia-Costa Rica	54	
Czechia-Croatia	2,517	
Czechia-Cyprus	1,804	
Czechia-Denmark	2,779	
Czechia-Dominican Republic	2,383	
Czechia-Egypt		39,985
Czechia-Estonia	143	
Czechia-Finland	2,690	
Czechia-France	17,123	
Czechia-Georgia	924	
Czechia-Germany	17,845	
Czechia-Greece	34,307	
Czechia-Grenada		44
Czechia-Hungary	3,495	
Czechia-Iceland	1,378	
Czechia-Ireland	2,844	
Czechia-Israel	13,685	
Czechia-Italy	16,024	
Czechia-Jordan		1,672
Czechia-Kazakhstan	597	
Czechia-Latvia	1,341	
Czechia-Lebanon		139
Czechia-Lithuania	579	
Czechia-Luxembourg	21	
Czechia-Malaysia	55	
Czechia-Maldives		2,168
Czechia-Mali		667
Czechia-Malta	1,029	
Czechia-Mauritius		52
Czechia-Montenegro	38	
Czechia-Morocco		1,657

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Czechia-Netherlands	12,262	
Czechia-Nigeria	-	
Czechia-Norway	1,360	
Czechia-Oman		604
Czechia-Poland	3,810	
Czechia-Portugal	8,843	
Czechia-Qatar	33,095	
Czechia-Republic of Korea	-	
Czechia-Republic of Moldova	394	
Czechia-Romania	2,438	
Czechia-Russian Federation		10,942
Czechia-Saudi Arabia	340	
Czechia-Serbia	376	
Czechia-Seychelles		43
Czechia-Slovakia	866	
Czechia-Slovenia	35	
Czechia-South Africa		51
Czechia-Spain	38,792	
Czechia-Sweden	3,657	
Czechia-Switzerland	4,139	
Czechia-Tunisia		2,078
Czechia-Türkiye	21,945	
Czechia-Ukraine	8,429	
Czechia-United Arab Emirates	43,339	
Czechia-United Kingdom	18,608	
Czechia-United Republic of Tanzania	-	
Czechia-United States	868	
Czechia-Uzbekistan		3,813
Democratic People's Republic of Korea-Japan		-
Democratic People's Republic of Korea-Viet Nam		-
Democratic Republic of the Congo-Angola		120
Democratic Republic of the Congo-Bahrain		56
Democratic Republic of the Congo-Bangladesh		-
Democratic Republic of the Congo-Belgium	38,744	
Democratic Republic of the Congo-Benin	1,093	
Democratic Republic of the Congo-Botswana	27	
Democratic Republic of the Congo-Burundi		21
Democratic Republic of the Congo-Central African Republic		15
Democratic Republic of the Congo-Chad		2,152
Democratic Republic of the Congo-China		338
Democratic Republic of the Congo-Congo		2,203
Democratic Republic of the Congo-Côte d'Ivoire	1,165	
Democratic Republic of the Congo-Djibouti		54*
Democratic Republic of the Congo-Egypt		209

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Democratic Republic of the Congo-Ethiopia		50,820
Democratic Republic of the Congo-France	24,874	
Democratic Republic of the Congo-Gabon	1,050*	
Democratic Republic of the Congo-Germany	95	
Democratic Republic of the Congo-Ghana	47	
Democratic Republic of the Congo-Guinea		15
Democratic Republic of the Congo-Israel	45	
Democratic Republic of the Congo-Italy	30	
Democratic Republic of the Congo-Kenya	13,083	
Democratic Republic of the Congo-Kyrgyzstan		-
Democratic Republic of the Congo-Latvia	77	
Democratic Republic of the Congo-Madagascar	292	
Democratic Republic of the Congo-Malawi		151
Democratic Republic of the Congo-Malta	141	
Democratic Republic of the Congo-Morocco		52*
Democratic Republic of the Congo-Mozambique		26
Democratic Republic of the Congo-Namibia	36	
Democratic Republic of the Congo-Niger		-
Democratic Republic of the Congo-Nigeria	610	
Democratic Republic of the Congo-Pakistan		2,320
Democratic Republic of the Congo-Portugal	141	
Democratic Republic of the Congo-Qatar	58*	
Democratic Republic of the Congo-Rwanda	5,072	
Democratic Republic of the Congo-Senegal		418
Democratic Republic of the Congo-Sierra Leone		20
Democratic Republic of the Congo-South Africa		4,089
Democratic Republic of the Congo-South Sudan		17
Democratic Republic of the Congo-Switzerland	116	
Democratic Republic of the Congo-Togo		2,296
Democratic Republic of the Congo-Tunisia		41
Democratic Republic of the Congo-Türkiye	12,891	
Democratic Republic of the Congo-Uganda	68*	
Democratic Republic of the Congo-United Arab Emirates	420	
Democratic Republic of the Congo-United Republic of Tanzania	14	
Democratic Republic of the Congo-Zambia	525	
Democratic Republic of the Congo-Zimbabwe		10
Denmark-Albania	63	
Denmark-Algeria		-
Denmark-Antigua and Barbuda		41
Denmark-Austria	7,269	
Denmark-Azerbaijan	208*	
Denmark-Bahamas		74
Denmark-Belarus		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Denmark-Belgium	13,002	
Denmark-Bosnia and Herzegovina	1,876	
Denmark-Brazil		2,124
Denmark-Bulgaria	3,758	
Denmark-Cabo Verde		366
Denmark-Cambodia		200
Denmark-Canada	11,709	
Denmark-China		39,704
Denmark-Croatia	6,623	
Denmark-Cyprus	6,323	
Denmark-Czechia	2,813	
Denmark-Dominican Republic	1,471	
Denmark-Egypt		6,434
Denmark-Estonia	1,361	
Denmark-Finland	11,317	
Denmark-France	36,481	
Denmark-Georgia	301	
Denmark-Germany	46,841	
Denmark-Greece	46,178	
Denmark-Hungary	4,343	
Denmark-Iceland	24,404	
Denmark-India		55
Denmark-Iraq		2,439
Denmark-Ireland	4,917	
Denmark-Israel	835	
Denmark-Italy	34,529	
Denmark-Japan	8,489	
Denmark-Jordan		30
Denmark-Kazakhstan	43	
Denmark-Kuwait		290
Denmark-Latvia	4,974	
Denmark-Lebanon		475*
Denmark-Lithuania	7,521	
Denmark-Luxembourg	722	
Denmark-Maldives		325
Denmark-Malta	3,166	
Denmark-Mexico	225	
Denmark-Mongolia		266
Denmark-Montenegro	252	
Denmark-Morocco		30
Denmark-Netherlands	25,267	
Denmark-Niger		262
Denmark-Nigeria	31	
Denmark-North Macedonia	1,649	
Denmark-Norway	37,100	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Denmark-Oman		-
Denmark-Pakistan		817
Denmark-Poland	12,805	
Denmark-Portugal	16,627	
Denmark-Qatar	109*	
Denmark-Republic of Korea	214	
Denmark-Republic of Moldova	86	
Denmark-Romania	7,204	
Denmark-Russian Federation		3,000
Denmark-Saudi Arabia	21*	
Denmark-Serbia	2,082	
Denmark-Sierra Leone		39
Denmark-Singapore	42*	
Denmark-Slovakia	201	
Denmark-Slovenia	23	
Denmark-Spain	137,254	
Denmark-Sweden	24,890	
Denmark-Switzerland	11,759	
Denmark-Thailand	18,678	
Denmark-Tunisia		25
Denmark-Türkiye	42,930	
Denmark-Ukraine	3,514	
Denmark-United Arab Emirates	47,877	
Denmark-United Kingdom	33,535	
Denmark-United States	307,075	
Djibouti-Bahrain		1,277
Djibouti-Bangladesh		692
Djibouti-Belarus		33
Djibouti-Bulgaria		2,766
Djibouti-Burkina Faso		228
Djibouti-Cameroon		23
Djibouti-Chad		-
Djibouti-China		346
Djibouti-Cyprus		547
Djibouti-Democratic Republic of the Congo		-
Djibouti-Equatorial Guinea		-
Djibouti-Eritrea		38
Djibouti-Ethiopia		5,170
Djibouti-France		10,014
Djibouti-Germany		549
Djibouti-Greece		209
Djibouti-India		362*
Djibouti-Italy		1,013
Djibouti-Kenya		4,128
Djibouti-Maldives		27

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Djibouti-Nigeria		-
Djibouti-Oman		427
Djibouti-Qatar		-
Djibouti-Russian Federation		75
Djibouti-Rwanda		13*
Djibouti-Singapore		-
Djibouti-Somalia		7,878
Djibouti-Sri Lanka		48
Djibouti-Sudan		315
Djibouti-Togo		44
Djibouti-Türkiye		14,148
Djibouti-Uganda		-
Djibouti-United Arab Emirates		5,060
Djibouti-Yemen		93*
Dominica-Antigua and Barbuda		1*
Dominica-Barbados		104
Dominica-Canada		23
Dominica-Netherlands		5
Dominica-Spain		-
Dominica-Trinidad and Tobago		99
Dominica-United States		164
Dominican Republic-Antigua and Barbuda		78
Dominican Republic-Argentina		4,110
Dominican Republic-Austria	45	
Dominican Republic-Bahamas		334
Dominican Republic-Barbados		139
Dominican Republic-Belarus		48
Dominican Republic-Belgium	7,671	
Dominican Republic-Belize		5
Dominican Republic-Bolivia (Plurinational State of)		56
Dominican Republic-Brazil		1,413
Dominican Republic-Cabo Verde		85
Dominican Republic-Canada	44,028	
Dominican Republic-Chile		1,817
Dominican Republic-Colombia		260
Dominican Republic-Costa Rica	1,094	
Dominican Republic-Cuba		250
Dominican Republic-Czechia	2,100	
Dominican Republic-Denmark	140	
Dominican Republic-Dominica		9
Dominican Republic-Ecuador		2,134
Dominican Republic-Egypt		319
Dominican Republic-El Salvador	28	
Dominican Republic-France	69,234	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Dominican Republic-Germany	97,937	
Dominican Republic-Grenada		34
Dominican Republic-Guatemala	60	
Dominican Republic-Guyana	58	
Dominican Republic-Haiti		1,285
Dominican Republic-Honduras	5	
Dominican Republic-Iceland	69	
Dominican Republic-Ireland	143*	
Dominican Republic-Italy	5,086	
Dominican Republic-Jamaica	1,454	
Dominican Republic-Lithuania	783	
Dominican Republic-Luxembourg	35	
Dominican Republic-Mexico	11,508	
Dominican Republic-Morocco		31
Dominican Republic-Netherlands	2,239	
Dominican Republic-Nicaragua		9
Dominican Republic-Panama		33,192
Dominican Republic-Paraguay		87
Dominican Republic-Peru		9,713
Dominican Republic-Poland	3,067*	
Dominican Republic-Portugal	2,516	
Dominican Republic-Romania	48	
Dominican Republic-Russian Federation		44,422
Dominican Republic-Saint Kitts and Nevis		10
Dominican Republic-Saint Lucia		36*
Dominican Republic-Saint Vincent and the Grenadines		79
Dominican Republic-Saudi Arabia	-	
Dominican Republic-Slovakia	164	
Dominican Republic-Spain	147,346	
Dominican Republic-Suriname		169
Dominican Republic-Sweden	57	
Dominican Republic-Switzerland	25,526	
Dominican Republic-Trinidad and Tobago		82
Dominican Republic-Türkiye	4,035	
Dominican Republic-Ukraine	34,480	
Dominican Republic-United Kingdom	7,286	
Dominican Republic-United States	712,124	
Dominican Republic-Uruguay		234
Dominican Republic-Venezuela (Bolivarian Republic of)		208
Ecuador-Argentina		460
Ecuador-Bahamas		28
Ecuador-Brazil		1,621
Ecuador-Canada		1,442

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ecuador-Chile		4,505
Ecuador-Colombia		12,323
Ecuador-Costa Rica		34
Ecuador-Cuba		86
Ecuador-Denmark		-
Ecuador-Dominican Republic		51
Ecuador-El Salvador		3,859*
Ecuador-Jamaica		37
Ecuador-Latvia		56
Ecuador-Mexico		27,288
Ecuador-Morocco		-
Ecuador-Netherlands		60,960
Ecuador-Panama		45,512
Ecuador-Paraguay		37
Ecuador-Peru		9,397
Ecuador-Spain		90,027
Ecuador-United Kingdom		11*
Ecuador-United States		355,195
Ecuador-Uruguay		76
Ecuador-Venezuela (Bolivarian Republic of)		41
Egypt-Afghanistan		414
Egypt-Albania		1,172
Egypt-Algeria		977
Egypt-Angola		566
Egypt-Armenia		9,318
Egypt-Austria		17,942
Egypt-Azerbaijan		1,126
Egypt-Bahrain		27,052
Egypt-Belarus		-
Egypt-Belgium		43,599
Egypt-Benin		18
Egypt-Bosnia and Herzegovina		358
Egypt-Bulgaria		878
Egypt-Burkina Faso		154
Egypt-Burundi		64
Egypt-Cabo Verde		210
Egypt-Cambodia		232
Egypt-Cameroon		4,513
Egypt-Canada		9,667*
Egypt-Central African Republic		358
Egypt-Chad		6,065
Egypt-China		38,376
Egypt-Colombia		476
Egypt-Comoros		295
Egypt-Congo		31

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt-Côte d'Ivoire		144
Egypt-Croatia		132
Egypt-Cyprus		1,500
Egypt-Czechia		41,121
Egypt-Democratic Republic of the Congo		199
Egypt-Denmark		6,608
Egypt-Djibouti		121
Egypt-Equatorial Guinea		36*
Egypt-Eritrea		1,508
Egypt-Estonia		7,384
Egypt-Ethiopia		28,986
Egypt-Finland		66
Egypt-France		59,032
Egypt-Gabon		106
Egypt-Georgia		180
Egypt-Germany		173,667
Egypt-Ghana		11,132
Egypt-Greece		8,900
Egypt-Guinea		21
Egypt-Hungary		6,468
Egypt-India		6,659
Egypt-Indonesia		52
Egypt-Iran (Islamic Republic of)		37
Egypt-Iraq		16,660
Egypt-Ireland		41
Egypt-Israel		363
Egypt-Italy		53,333
Egypt-Japan		264
Egypt-Jordan		27,164
Egypt-Kazakhstan		45,180
Egypt-Kenya		9,522
Egypt-Kuwait		27,757
Egypt-Latvia		2,862
Egypt-Lebanon		11,588
Egypt-Libya		6,799
Egypt-Lithuania		10,089
Egypt-Luxembourg		2,157
Egypt-Malaysia		958
Egypt-Maldives		213
Egypt-Mali		273
Egypt-Malta		850
Egypt-Mauritius		114
Egypt-Mexico		247
Egypt-Montenegro		55
Egypt-Morocco		12,113

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt-Mozambique		257
Egypt-Myanmar		-
Egypt-Netherlands		26,108
Egypt-Niger		301
Egypt-Nigeria		34,037
Egypt-North Macedonia		651*
Egypt-Norway		351
Egypt-Oman		19,006
Egypt-Pakistan		652
Egypt-Poland		63,882
Egypt-Portugal		332
Egypt-Qatar		59,057
Egypt-Republic of Korea		-
Egypt-Republic of Moldova		20*
Egypt-Romania		29,295
Egypt-Russian Federation		101,482
Egypt-Rwanda		3,184*
Egypt-Saudi Arabia		276,114
Egypt-Senegal		32
Egypt-Serbia		15,098
Egypt-Seychelles		252
Egypt-Sierra Leone		152
Egypt-Singapore		-
Egypt-Slovakia		1,883
Egypt-Slovenia		1,355
Egypt-Somalia		376
Egypt-South Africa		21,470
Egypt-South Sudan		4,021
Egypt-Spain		13,245
Egypt-Sri Lanka		480
Egypt-Sudan		14,639
Egypt-Sweden		300
Egypt-Switzerland		33,168
Egypt-Thailand		9,739
Egypt-Togo		76
Egypt-Tunisia		6,951
Egypt-Türkiye		84,612
Egypt-Turkmenistan		-
Egypt-Uganda		5,148
Egypt-Ukraine		44,684
Egypt-United Arab Emirates		279,270
Egypt-United Kingdom		62,726
Egypt-United Republic of Tanzania		17,904
Egypt-United States		129,644
Egypt-Uzbekistan		7,018

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt-Viet Nam		9,172
Egypt-Yemen		15,213
Egypt-Zambia		21
Egypt-Zimbabwe		60
El Salvador-Belize		13
El Salvador-Brazil		113
El Salvador-Canada	132*	
El Salvador-Colombia		6,705*
El Salvador-Costa Rica	5,752	
El Salvador-Dominican Republic	29	
El Salvador-Ecuador		4,311
El Salvador-Guatemala	4,056	
El Salvador-Honduras	4,127	
El Salvador-Italy	198	
El Salvador-Jamaica	15	
El Salvador-Mexico	7,986	
El Salvador-Nicaragua		6,865
El Salvador-Panama		6,037
El Salvador-Peru		74
El Salvador-Senegal		149
El Salvador-Spain	37,267	
El Salvador-United States	309,385	
Equatorial Guinea-Algeria		14
Equatorial Guinea-Angola		23*
Equatorial Guinea-Benin	9	
Equatorial Guinea-Cameroon	18*	
Equatorial Guinea-Congo		5
Equatorial Guinea-Côte d'Ivoire	16	
Equatorial Guinea-Djibouti		95
Equatorial Guinea-Ethiopia		3,392
Equatorial Guinea-France	5,454	
Equatorial Guinea-Gabon	47	
Equatorial Guinea-India		-
Equatorial Guinea-Israel	125	
Equatorial Guinea-Kyrgyzstan		-
Equatorial Guinea-Morocco		-
Equatorial Guinea-Nigeria	586	
Equatorial Guinea-Portugal	-	
Equatorial Guinea-Russian Federation		45
Equatorial Guinea-Sao Tome and Principe		2
Equatorial Guinea-Spain	2,222	
Equatorial Guinea-Switzerland	18	
Equatorial Guinea-Togo		150
Equatorial Guinea-United Arab Emirates	650	
Equatorial Guinea-United Kingdom	26	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Equatorial Guinea-Uzbekistan		-
Eritrea-Bahrain		64
Eritrea-Djibouti		133
Eritrea-Egypt		1,335
Eritrea-Ethiopia		2,473
Eritrea-Jordan		70
Eritrea-Kenya		1,840*
Eritrea-Saudi Arabia		166*
Eritrea-Somalia		10
Eritrea-Sudan		7
Eritrea-Türkiye		2,512
Eritrea-United Arab Emirates		3,146
Estonia-Albania	21	
Estonia-Austria	1,752	
Estonia-Azerbaijan	110	
Estonia-Bahrain		-
Estonia-Belarus		96*
Estonia-Belgium	1,478	
Estonia-Bulgaria	-	
Estonia-China		5,719
Estonia-Croatia	10	
Estonia-Cyprus	2,089	
Estonia-Czechia	79	
Estonia-Denmark	1,495	
Estonia-Egypt		7,278
Estonia-Finland	1,296	
Estonia-France	2,915	
Estonia-Georgia	-	
Estonia-Germany	15,351	
Estonia-Greece	3,361	
Estonia-Hungary	13	
Estonia-Iceland	506	
Estonia-India		147
Estonia-Ireland	1,098	
Estonia-Israel	80	
Estonia-Italy	6,038	
Estonia-Jordan		127
Estonia-Kazakhstan	-	
Estonia-Latvia	3,332	
Estonia-Lithuania	637	
Estonia-Maldives		67
Estonia-Malta	319	
Estonia-Montenegro	530	
Estonia-Netherlands	3,040	
Estonia-Norway	1,569	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Estonia-Poland	6,834	
Estonia-Portugal	15*	
Estonia-Republic of Moldova	10	
Estonia-Romania	6	
Estonia-Russian Federation		729
Estonia-Senegal		-
Estonia-Serbia	106	
Estonia-Slovakia	8	
Estonia-Slovenia	-	
Estonia-Spain	4,665	
Estonia-Sweden	3,613	
Estonia-Switzerland	1,116	
Estonia-Türkiye	10,943	
Estonia-Ukraine	3,619	
Estonia-United Arab Emirates	423	
Estonia-United Kingdom	5,374	
Estonia-United Republic of Tanzania	-	
Estonia-United States	15,657	
Estonia-Viet Nam		6,805
Eswatini-Chad		-
Eswatini-Kenya		-
Eswatini-Malaysia		-
Eswatini-Maldives		34
Eswatini-South Africa		1,240
Ethiopia-Afghanistan		230
Ethiopia-Algeria		52
Ethiopia-Angola		6,262
Ethiopia-Austria		21,057
Ethiopia-Azerbaijan		100
Ethiopia-Bahrain		199
Ethiopia-Bangladesh		624
Ethiopia-Barbados		-
Ethiopia-Belgium		128,345
Ethiopia-Benin		8,642
Ethiopia-Botswana		5,422
Ethiopia-Brazil		30,820
Ethiopia-Burkina Faso		761
Ethiopia-Burundi		7,514
Ethiopia-Cameroon		23,217
Ethiopia-Central African Republic		1,015
Ethiopia-Chad		9,978
Ethiopia-China		257,351
Ethiopia-Comoros		4,137
Ethiopia-Congo		16,986
Ethiopia-Côte d'Ivoire		21,038

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ethiopia-Cyprus		36
Ethiopia-Democratic Republic of the Congo		38,099
Ethiopia-Djibouti		4,102
Ethiopia-Egypt		25,504
Ethiopia-Equatorial Guinea		3,639
Ethiopia-Eritrea		2,350
Ethiopia-France		48,319
Ethiopia-Gabon		8,449
Ethiopia-Germany		43,366
Ethiopia-Ghana		51,561
Ethiopia-Greece		8,090
Ethiopia-Guinea		199
Ethiopia-Hungary		48
Ethiopia-India		51,184
Ethiopia-Indonesia		21,498
Ethiopia-Iraq		-
Ethiopia-Ireland		126,038
Ethiopia-Israel		13,767
Ethiopia-Italy		32,066
Ethiopia-Japan		1,169
Ethiopia-Jordan		222
Ethiopia-Kenya		30,683
Ethiopia-Kuwait		7,496
Ethiopia-Lebanon		18,534
Ethiopia-Madagascar		4,543
Ethiopia-Malawi		14,125
Ethiopia-Malaysia		6,980
Ethiopia-Maldives		43
Ethiopia-Mali		28,107
Ethiopia-Mauritania		185
Ethiopia-Morocco		312
Ethiopia-Mozambique		11,462*
Ethiopia-Namibia		12,800
Ethiopia-Nepal		1,385
Ethiopia-Netherlands		9,010
Ethiopia-Niger		12,665
Ethiopia-Nigeria		177,490
Ethiopia-Norway		106
Ethiopia-Oman		3,981*
Ethiopia-Pakistan		43
Ethiopia-Philippines		1,751
Ethiopia-Poland		49*
Ethiopia-Portugal		106
Ethiopia-Qatar		7,638*
Ethiopia-Republic of Korea		23,261

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ethiopia-Romania		45
Ethiopia-Russian Federation		667
Ethiopia-Rwanda		4,395*
Ethiopia-Saudi Arabia		39,316
Ethiopia-Senegal		691
Ethiopia-Serbia		281
Ethiopia-Seychelles		4,081
Ethiopia-Singapore		1,095
Ethiopia-Somalia		17,257
Ethiopia-South Africa		86,076
Ethiopia-South Sudan		5,155
Ethiopia-Spain		14,062
Ethiopia-Sri Lanka		410
Ethiopia-Sudan		11,504
Ethiopia-Sweden		28,053
Ethiopia-Switzerland		16,111
Ethiopia-Thailand		27,891
Ethiopia-Togo		28,388
Ethiopia-Tunisia		161
Ethiopia-Türkiye		27,488
Ethiopia-Uganda		14,371
Ethiopia-Ukraine		183
Ethiopia-United Arab Emirates		137,653
Ethiopia-United Kingdom		52,405
Ethiopia-United Republic of Tanzania		22,900
Ethiopia-United States		884
Ethiopia-Viet Nam		2,415
Ethiopia-Yemen		524
Ethiopia-Zambia		19,131
Ethiopia-Zimbabwe		20,765*
Fiji-Australia		15,725
Fiji-China		-
Fiji-France		86
Fiji-Japan		-
Fiji-Kiribati		-
Fiji-Marshall Islands		-
Fiji-Nauru		100
Fiji-New Zealand		-
Fiji-Samoa		-
Fiji-Singapore		-
Fiji-Solomon Islands		127
Fiji-Tonga		-
Fiji-United Arab Emirates		-
Fiji-United States		87*
Fiji-Vanuatu		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Finland-Albania	5	
Finland-Armenia	72	
Finland-Austria	4,778	
Finland-Azerbaijan	340	
Finland-Bahamas		51
Finland-Bahrain		44
Finland-Bangladesh		-
Finland-Belarus		5*
Finland-Belgium	9,859	
Finland-Bosnia and Herzegovina	16	
Finland-Bulgaria	331	
Finland-Cabo Verde		214
Finland-Canada	429	
Finland-China		70,568
Finland-Croatia	1,690	
Finland-Cyprus	1,011	
Finland-Czechia	2,536	
Finland-Denmark	11,827	
Finland-Egypt		62
Finland-Estonia	999	
Finland-France	19,777	
Finland-Georgia	609	
Finland-Germany	55,493	
Finland-Greece	11,309	
Finland-Hungary	3,464	
Finland-Iceland	1,029	
Finland-India		1,220
Finland-Iraq		74
Finland-Ireland	3,627	
Finland-Israel	1,098	
Finland-Italy	12,632	
Finland-Japan	135,008	
Finland-Kazakhstan	192	
Finland-Latvia	3,489	
Finland-Lebanon		166
Finland-Lithuania	938	
Finland-Luxembourg	120	
Finland-Maldives		105
Finland-Malta	60	
Finland-Mexico	225	
Finland-Mongolia		-
Finland-Montenegro	41	
Finland-Netherlands	19,429	
Finland-North Macedonia	1,052*	
Finland-Norway	7,003	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Finland-Panama		-
Finland-Philippines	52	
Finland-Poland	4,591	
Finland-Portugal	5,958	
Finland-Qatar	35*	
Finland-Republic of Korea	42,818	
Finland-Romania	1,441	
Finland-Russian Federation		7,110
Finland-Serbia	91	
Finland-Seychelles		49
Finland-Singapore	20,548	
Finland-Slovakia	5	
Finland-Slovenia	65	
Finland-Spain	50,219	
Finland-Sweden	21,150	
Finland-Switzerland	10,676	
Finland-Tajikistan		14
Finland-Thailand	54,882	
Finland-Türkiye	16,369	
Finland-Ukraine	314	
Finland-United Arab Emirates	6,003	
Finland-United Kingdom	33,354	
Finland-United States	84,783	
Finland-Viet Nam		-
France-Albania	3,773	
France-Algeria		53,615
France-Angola		19,843
France-Antigua and Barbuda		332
France-Argentina		34,314
France-Armenia	6,362	
France-Australia	5,056	
France-Austria	32,072	
France-Azerbaijan	686	
France-Bahamas		1,281
France-Bahrain		1,198
France-Bangladesh		47
France-Barbados		180
France-Belarus		1,479
France-Belgium	72,494	
France-Benin	24,398	
France-Bosnia and Herzegovina	3,041	
France-Botswana	413	
France-Brazil		152,006
France-Bulgaria	14,246	
France-Burkina Faso	18,315	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France-Cabo Verde		520
France-Cambodia		98
France-Cameroon	48,425	
France-Canada	331,807	
France-Central African Republic		9,219
France-Chad		11,561
France-Chile		44,070
France-China		497,071
France-Colombia		36,767
France-Comoros		49
France-Congo		42,797
France-Costa Rica	27,509	
France-Côte d'Ivoire	105,539	
France-Croatia	25,511	
France-Cuba		25,420
France-Cyprus	5,843	
France-Czechia	17,088	
France-Democratic Republic of the Congo	26,094	
France-Denmark	35,584	
France-Djibouti		11,450
France-Dominican Republic	66,872	
France-Ecuador		50
France-Egypt		53,322
France-Equatorial Guinea	5,622	
France-Estonia	2,840	
France-Ethiopia		49,821
France-Fiji		81
France-Finland	19,966	
France-Gabon	18,499	
France-Gambia		7,065
France-Georgia	8,950	
France-Germany	232,720	
France-Ghana	17,471	
France-Greece	173,447	
France-Guinea		15,800
France-Guinea-Bissau		22
France-Haiti		8,372
France-Hungary	19,350	
France-Iceland	13,612	
France-India		172,013
France-Indonesia	466	
France-Iran (Islamic Republic of)		4,757
France-Iraq		889
France-Ireland	32,442	
France-Israel	61,764	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France-Italy	243,098	
France-Japan	312,752	
France-Jordan		6,148
France-Kazakhstan	11,310	
France-Kenya	48,432	
France-Kuwait		5,952
France-Kyrgyzstan		23
France-Latvia	6,388	
France-Lebanon		50,003
France-Liberia		115
France-Libya		323
France-Lithuania	4,287	
France-Luxembourg	9,211	
France-Madagascar	31,577	
France-Malaysia	413	
France-Maldives		7,136
France-Mali		45,208
France-Malta	21,740	
France-Mauritania		9,016
France-Mauritius		67,530
France-Mexico	259,315	
France-Mongolia		6,985
France-Montenegro	961	
France-Morocco		290,708
France-Mozambique		189
France-Namibia	607	
France-Netherlands	137,091	
France-New Zealand	3,849	
France-Nicaragua		182
France-Niger		21,940
France-Nigeria	22,636	
France-North Macedonia	6,605	
France-Norway	14,117	
France-Oman		4,044
France-Pakistan		2,647*
France-Panama		26,105
France-Peru		25,149
France-Philippines	4,631	
France-Poland	40,267	
France-Portugal	240,083	
France-Qatar	215,038	
France-Republic of Korea	138,066	
France-Republic of Moldova	6,526	
France-Romania	45,764	
France-Russian Federation		52,301

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France-Rwanda	121	
France-Saint Kitts and Nevis		8
France-Saint Lucia		107
France-Saint Vincent and the Grenadines		302
France-Saudi Arabia	39,498	
France-Senegal		81,926
France-Serbia	16,495	
France-Seychelles		3,535
France-Sierra Leone		16,962
France-Singapore	124,194	
France-Slovakia	353	
France-Slovenia	2,444	
France-South Africa		76,649
France-Spain	410,287	
France-Sri Lanka		4,711
France-Sudan		352
France-Suriname		39
France-Sweden	37,096	
France-Switzerland	49,089	
France-Tajikistan		613
France-Thailand	92,653	
France-Togo		11,255
France-Trinidad and Tobago		9
France-Tunisia		125,736
France-Türkiye	181,162	
France-Turkmenistan		-
France-Uganda	445	
France-Ukraine	15,638	
France-United Arab Emirates	336,525	
France-United Kingdom	140,622	
France-United Republic of Tanzania	493	
France-United States	1,607,840	
France-Uzbekistan		7,398
France-Vanuatu		8
France-Venezuela (Bolivarian Republic of)		4
France-Viet Nam		18,235
France-Zambia	-	
Gabon-Angola		580
Gabon-Belgium	1,121	
Gabon-Benin	2,160	
Gabon-Brazil		107
Gabon-Cameroon	754	
Gabon-Central African Republic		95
Gabon-Congo		11*
Gabon-Côte d'Ivoire	2,045	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Gabon-Cyprus	29	
Gabon-Democratic Republic of the Congo	658	
Gabon-Djibouti		88
Gabon-Egypt		56
Gabon-Equatorial Guinea	3*	
Gabon-Ethiopia		7,934
Gabon-France	17,724	
Gabon-Germany	629	
Gabon-Ghana	132	
Gabon-Greece	41	
Gabon-Guinea		10
Gabon-India		44
Gabon-Italy	26	
Gabon-Kenya	1,213	
Gabon-Mali		75
Gabon-Mauritania		-
Gabon-Morocco		15*
Gabon-Netherlands	35	
Gabon-Nigeria	132	
Gabon-Oman		-
Gabon-Portugal	197	
Gabon-Rwanda	-	
Gabon-Sao Tome and Principe		2
Gabon-Saudi Arabia	42	
Gabon-Sierra Leone		11
Gabon-South Africa		22*
Gabon-Spain	240	
Gabon-Switzerland	49	
Gabon-Togo		1,646
Gabon-Türkiye	7,520	
Gabon-United Arab Emirates	307	
Gabon-United Kingdom	243	
Gabon-United States	57	
Gabon-Zambia	-	
Gambia-Algeria		-
Gambia-Angola		376
Gambia-Belgium		213
Gambia-Burkina Faso		15
Gambia-Cabo Verde		278
Gambia-Ethiopia		107
Gambia-France		16
Gambia-Ghana		14
Gambia-Guinea		22*
Gambia-Guinea-Bissau		1*
Gambia-Ireland		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Gambia-Mali		1,768
Gambia-Morocco		64*
Gambia-Netherlands		52
Gambia-Nigeria		516
Gambia-Poland		-
Gambia-Portugal		851
Gambia-Senegal		3,190
Gambia-Serbia		18
Gambia-Sierra Leone		2,627
Gambia-Spain		3,210
Gambia-Sudan		-
Gambia-Tunisia		-
Gambia-Türkiye		9,211
Gambia-United Arab Emirates		176
Gambia-United Kingdom		1,441
Georgia-Afghanistan	1,046	
Georgia-Albania	147	
Georgia-Armenia	2,416	
Georgia-Austria	1,530	
Georgia-Azerbaijan	4,380	
Georgia-Bahrain		1,137
Georgia-Bangladesh		895
Georgia-Belarus		18,346
Georgia-Belgium	1,489	
Georgia-Bulgaria	229	
Georgia-Cambodia		42*
Georgia-China		51,445
Georgia-Croatia	-	
Georgia-Cyprus	536	
Georgia-Czechia	933	
Georgia-Denmark	469	
Georgia-Egypt		173
Georgia-Estonia	-	
Georgia-Finland	436	
Georgia-France	9,097	
Georgia-Germany	31,221	
Georgia-Greece	3,132	
Georgia-Hungary	1,360	
Georgia-India		5,673
Georgia-Indonesia	912	
Georgia-Iraq		8
Georgia-Israel	15,457	
Georgia-Italy	3,087	
Georgia-Jordan		42*
Georgia-Kazakhstan	11,928	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Georgia-Kuwait		2,400
Georgia-Kyrgyzstan		347
Georgia-Latvia	3,957	
Georgia-Lebanon		20*
Georgia-Lithuania	1,932	
Georgia-Malaysia	251*	
Georgia-Maldives		48
Georgia-Malta	58	
Georgia-Montenegro	23	
Georgia-Netherlands	6,084	
Georgia-North Macedonia	11	
Georgia-Norway	846	
Georgia-Oman		10
Georgia-Pakistan		676
Georgia-Philippines	98	
Georgia-Poland	15,738	
Georgia-Portugal	22	
Georgia-Qatar	7,247	
Georgia-Republic of Korea	603	
Georgia-Republic of Moldova	7	
Georgia-Romania	974	
Georgia-Russian Federation		4,307
Georgia-Saudi Arabia	11,852	
Georgia-Serbia	20*	
Georgia-Slovenia	-	
Georgia-Spain	2,743	
Georgia-Sweden	613	
Georgia-Switzerland	306	
Georgia-Thailand	630	
Georgia-Türkiye	34,369	
Georgia-Turkmenistan		5
Georgia-Ukraine	6,054	
Georgia-United Arab Emirates	20,710	
Georgia-United Kingdom	1,100	
Georgia-United States	530	
Georgia-Uzbekistan		1,796
Germany-Afghanistan	31,153	
Germany-Albania	20,988	
Germany-Algeria		5,403
Germany-Angola		15,820
Germany-Antigua and Barbuda		46
Germany-Argentina		61,505
Germany-Armenia	4,327	
Germany-Australia	-	
Germany-Austria	93,985	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany-Azerbaijan	60,046	
Germany-Bahamas		148
Germany-Bahrain		77,267
Germany-Bangladesh		1,100
Germany-Barbados		8,411
Germany-Belarus		2,908
Germany-Belgium	60,764	
Germany-Bosnia and Herzegovina	13,581	
Germany-Brazil		254,444
Germany-Bulgaria	70,573	
Germany-Cabo Verde		36,883
Germany-Cameroon	232	
Germany-Canada	368,322	
Germany-China		1,484,503
Germany-Colombia		45,584*
Germany-Costa Rica	38,331	
Germany-Croatia	52,596	
Germany-Cuba		7,487
Germany-Cyprus	30,517	
Germany-Czechia	18,180	
Germany-Denmark	46,136	
Germany-Djibouti		967
Germany-Dominican Republic	102,410	
Germany-Egypt		142,100
Germany-Eritrea		160
Germany-Estonia	12,321	
Germany-Ethiopia		44,488
Germany-Finland	51,837	
Germany-France	245,405	
Germany-Gabon	875	
Germany-Georgia	31,642	
Germany-Ghana	1,455	
Germany-Greece	450,901	
Germany-Guatemala	58	
Germany-Guinea		75
Germany-Haiti		166
Germany-Hungary	33,453	
Germany-Iceland	34,739	
Germany-India		312,746
Germany-Iran (Islamic Republic of)		31,148
Germany-Iraq		13,629
Germany-Ireland	58,216	
Germany-Israel	82,404	
Germany-Italy	328,979	
Germany-Jamaica	7,394	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany-Japan	476,144	
Germany-Jordan		12,489
Germany-Kazakhstan	58,886	
Germany-Kenya	44,523	
Germany-Kuwait		31,838
Germany-Kyrgyzstan		738
Germany-Latvia	22,655	
Germany-Lebanon		39,170
Germany-Libya		22
Germany-Lithuania	17,919	
Germany-Luxembourg	5,780	
Germany-Madagascar	259	
Germany-Malawi		311*
Germany-Malaysia	634	
Germany-Maldives		41,556
Germany-Mali		28,567
Germany-Malta	24,129	
Germany-Mauritius		14,154
Germany-Mexico	316,384	
Germany-Mongolia		5,042
Germany-Montenegro	3,837	
Germany-Morocco		30,038
Germany-Namibia	42,174	
Germany-Netherlands	77,268	
Germany-Niger		13,460
Germany-Nigeria	54,372	
Germany-North Macedonia	18,133	
Germany-Norway	37,458	
Germany-Oman		18,440
Germany-Pakistan		2,831
Germany-Philippines	1,640	
Germany-Poland	99,187	
Germany-Portugal	198,169	
Germany-Qatar	211,805	
Germany-Republic of Korea	563,972	
Germany-Republic of Moldova	9,264	
Germany-Romania	85,717	
Germany-Russian Federation		211,933
Germany-Rwanda	246	
Germany-Saint Vincent and the Grenadines		46
Germany-Sao Tome and Principe		60
Germany-Saudi Arabia	58,216	
Germany-Senegal		-
Germany-Serbia	31,640	
Germany-Seychelles		2,339

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany-Singapore	313,101	
Germany-Slovakia	5,528	
Germany-Slovenia	7,896	
Germany-Somalia		116
Germany-South Africa		147,657
Germany-Spain	1,059,788	
Germany-Sri Lanka		18,138
Germany-Sudan		316
Germany-Sweden	77,922	
Germany-Switzerland	60,533	
Germany-Tajikistan		411
Germany-Thailand	121,688	
Germany-Trinidad and Tobago		49
Germany-Tunisia		17,283
Germany-Türkiye	856,101	
Germany-Turkmenistan		180*
Germany-Uganda	-	
Germany-Ukraine	59,120	
Germany-United Arab Emirates	590,208	
Germany-United Kingdom	278,475	
Germany-United Republic of Tanzania	-	
Germany-United States	3,192,727	
Germany-Uzbekistan		23,324
Germany-Venezuela (Bolivarian Republic of)		97
Germany-Viet Nam		29,729
Germany-Zambia	338	
Germany-Zimbabwe		1,048
Ghana-Algeria		130*
Ghana-Angola		1,974
Ghana-Barbados		42*
Ghana-Belgium	45,232	
Ghana-Benin	91	
Ghana-Brazil		37,247
Ghana-Burkina Faso	4,278	
Ghana-Cabo Verde		64
Ghana-Cameroon	218	
Ghana-Central African Republic		33*
Ghana-Congo		7*
Ghana-Côte d'Ivoire	10,524	
Ghana-Democratic Republic of the Congo	56	
Ghana-Egypt		10,479
Ghana-Equatorial Guinea	72*	
Ghana-Ethiopia		33,328
Ghana-France	20,105	
Ghana-Gabon	2,365	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ghana-Gambia		14
Ghana-Germany	1,236	
Ghana-Guinea		24
Ghana-Guinea-Bissau		18
Ghana-Ireland	101	
Ghana-Israel	83	
Ghana-Kazakhstan	225	
Ghana-Kenya	11,284	
Ghana-Kuwait		-
Ghana-Kyrgyzstan		-
Ghana-Lebanon		491*
Ghana-Liberia		4,402
Ghana-Libya		110
Ghana-Malaysia	318	
Ghana-Maldives		50
Ghana-Mali		35
Ghana-Malta	58	
Ghana-Morocco		35*
Ghana-Mozambique		22
Ghana-Namibia	543	
Ghana-Netherlands	44,222	
Ghana-Niger		105
Ghana-Nigeria	3,994	
Ghana-Oman		-
Ghana-Pakistan		335
Ghana-Peru		285
Ghana-Poland	-	
Ghana-Portugal	5,445	
Ghana-Qatar	-	
Ghana-Rwanda	75*	
Ghana-Sao Tome and Principe		1,447
Ghana-Senegal		62
Ghana-Serbia	55	
Ghana-Sierra Leone		5,662
Ghana-South Africa		889
Ghana-South Sudan		393
Ghana-Spain	472	
Ghana-Sweden	47	
Ghana-Togo		3,958
Ghana-Tunisia		160
Ghana-Türkiye	21,911	
Ghana-Turkmenistan		-
Ghana-Uganda	-	
Ghana-Ukraine	395	
Ghana-United Arab Emirates	58,322	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ghana-United Kingdom	50,338	
Ghana-United States	88,288	
Ghana-Uruguay		165
Ghana-Zimbabwe		41*
Greece-Albania	3,391	
Greece-Algeria		14
Greece-Armenia	2,011	
Greece-Austria	59,701	
Greece-Azerbaijan	125	
Greece-Bahamas		162
Greece-Bahrain		5,120
Greece-Belarus		74
Greece-Belgium	65,605	
Greece-Bosnia and Herzegovina	91	
Greece-Bulgaria	5,588	
Greece-Burkina Faso	224	
Greece-Cambodia		40
Greece-Cameroon	30	
Greece-Canada	40,699	
Greece-China		3,589*
Greece-Croatia	1,138	
Greece-Cyprus	49,583	
Greece-Czechia	35,811	
Greece-Denmark	48,003	
Greece-Djibouti		540
Greece-Egypt		8,263
Greece-Estonia	3,506	
Greece-Ethiopia		8,280
Greece-Finland	11,699	
Greece-France	190,456	
Greece-Georgia	2,834	
Greece-Germany	483,325	
Greece-Guinea		30
Greece-Hungary	13,270	
Greece-Iceland	717	
Greece-India		300
Greece-Iraq		315
Greece-Ireland	17,181	
Greece-Israel	31,923	
Greece-Italy	133,462	
Greece-Jordan		1,664
Greece-Kazakhstan	425	
Greece-Kenya	205	
Greece-Kuwait		224
Greece-Kyrgyzstan		21

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Greece-Latvia	7,469	
Greece-Lebanon		3,806
Greece-Libya		39
Greece-Lithuania	10,289	
Greece-Luxembourg	8,707	
Greece-Maldives		487
Greece-Malta	2,930	
Greece-Mauritius		188
Greece-Montenegro	141	
Greece-Morocco		29
Greece-Netherlands	130,760	
Greece-Nigeria	62	
Greece-North Macedonia	1,320	
Greece-Norway	8,390	
Greece-Oman		15
Greece-Pakistan		328
Greece-Poland	89,747	
Greece-Portugal	4,017	
Greece-Qatar	22,630	
Greece-Republic of Korea	99*	
Greece-Republic of Moldova	658	
Greece-Romania	20,443	
Greece-Russian Federation		51,064
Greece-Rwanda	32	
Greece-Saudi Arabia	5,105	
Greece-Serbia	7,616	
Greece-Seychelles		137
Greece-Sierra Leone		46
Greece-Singapore (excluding data from Singapore)	110	
Greece-Slovakia	4,405	
Greece-Slovenia	613	
Greece-Spain	39,582	
Greece-Sudan		89
Greece-Sweden	37,923	
Greece-Switzerland	74,815	
Greece-Tajikistan		25
Greece-Thailand	55	
Greece-Togo		17
Greece-Tunisia		16
Greece-Türkiye	15,387	
Greece-Turkmenistan		12
Greece-Uganda	17	
Greece-Ukraine	9,612	
Greece-United Arab Emirates	43,135	
Greece-United Kingdom	329,253	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Greece-United Republic of Tanzania	60	
Greece-United States	246,748	
Greece-Uzbekistan		434
Greece-Zimbabwe		59
Grenada-Antigua and Barbuda		1,086
Grenada-Barbados		656
Grenada-Canada		675
Grenada-Cuba		20
Grenada-Dominican Republic		20
Grenada-France		44
Grenada-Germany		44
Grenada-Guyana		23
Grenada-Netherlands		14
Grenada-Poland		-
Grenada-Saint Kitts and Nevis		2
Grenada-Saint Vincent and the Grenadines		68
Grenada-Spain		48
Grenada-Switzerland		82
Grenada-Trinidad and Tobago		44
Grenada-United Kingdom		126
Grenada-United States		15,044
Guatemala-Antigua and Barbuda		20
Guatemala-Barbados		66
Guatemala-Belgium	609	
Guatemala-Belize		8
Guatemala-Brazil		150
Guatemala-Canada	3,098	
Guatemala-Colombia		772
Guatemala-Costa Rica	6,658	
Guatemala-Dominican Republic	52	
Guatemala-Ecuador		3,210
Guatemala-El Salvador	4,753	
Guatemala-Honduras	3,458	
Guatemala-Mexico	19,047	
Guatemala-Nicaragua		34
Guatemala-Panama		17,754
Guatemala-Peru		15
Guatemala-Spain	278	
Guatemala-Switzerland	101	
Guatemala-United States	158,349	
Guinea-Algeria		32*
Guinea-Angola		830
Guinea-Argentina		-
Guinea-Belgium		73
Guinea-Benin		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Guinea-Brazil		-
Guinea-Bulgaria		27
Guinea-Burkina Faso		2,888
Guinea-Cabo Verde		27
Guinea-Côte d'Ivoire		7,367
Guinea-Democratic Republic of the Congo		67
Guinea-Dominican Republic		-
Guinea-Egypt		23
Guinea-Ethiopia		1,002
Guinea-France		23,722
Guinea-Gambia		8
Guinea-Ghana		38
Guinea-Guinea-Bissau		11
Guinea-Kenya		-
Guinea-Kyrgyzstan		-
Guinea-Liberia		-
Guinea-Mali		2,474
Guinea-Mauritania		4,159
Guinea-Morocco		62*
Guinea-Namibia		72
Guinea-Niger		267
Guinea-Nigeria		96
Guinea-Portugal		2,952
Guinea-Saudi Arabia		19
Guinea-Senegal		10,030
Guinea-Sierra Leone		116
Guinea-Spain		293
Guinea-Togo		22
Guinea-Tunisia		121
Guinea-Türkiye		-
Guinea-Turkmenistan		-
Guinea-United Arab Emirates		4,973
Guinea-United Kingdom		45
Guinea-Venezuela (Bolivarian Republic of)		-
Guinea-Bissau-Belgium		28
Guinea-Bissau-Burkina Faso		9
Guinea-Bissau-Cabo Verde		221
Guinea-Bissau-Chad		36
Guinea-Bissau-Congo		16
Guinea-Bissau-Côte d'Ivoire		11
Guinea-Bissau-Egypt		32
Guinea-Bissau-Gambia		1*
Guinea-Bissau-Ghana		18
Guinea-Bissau-Guinea		9
Guinea-Bissau-Kenya		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Guinea-Bissau-Liberia		6
Guinea-Bissau-Mali		56
Guinea-Bissau-Mauritania		15
Guinea-Bissau-Morocco		-
Guinea-Bissau-Portugal		7,790
Guinea-Bissau-Russian Federation		74
Guinea-Bissau-Sao Tome and Principe		14
Guinea-Bissau-Senegal		1,358
Guinea-Bissau-Sierra Leone		6
Guinea-Bissau-Spain		103
Guinea-Bissau-Togo		11
Guinea-Bissau-United Kingdom		31
Guyana-Antigua and Barbuda		20
Guyana-Barbados		763
Guyana-Belgium	122	
Guyana-Brazil		206
Guyana-Canada	4,516	
Guyana-Colombia		98
Guyana-Cuba		34
Guyana-Dominican Republic	137	
Guyana-Ghana	27	
Guyana-Jamaica	111	
Guyana-Netherlands	114	
Guyana-Panama		3,660
Guyana-Peru		16
Guyana-Saint Kitts and Nevis		16
Guyana-Spain	2,285	
Guyana-Suriname		1,082
Guyana-Trinidad and Tobago		3,656
Guyana-United States	64,191	
Haiti-Bahamas		224
Haiti-Belgium		928
Haiti-Brazil		1,168
Haiti-Canada		1,854
Haiti-Chile		1,280
Haiti-Cuba		3
Haiti-Dominican Republic		2,325
Haiti-France		253
Haiti-Germany		150
Haiti-Jamaica		54
Haiti-Netherlands		2
Haiti-Suriname		310
Haiti-Trinidad and Tobago		35
Haiti-United Kingdom		95
Haiti-United States		47,728

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Haiti-Venezuela (Bolivarian Republic of)		8
Honduras-Cabo Verde		155
Honduras-Canada	409	
Honduras-Colombia		40
Honduras-Costa Rica	-	
Honduras-Dominican Republic	5	
Honduras-Ecuador		1,142
Honduras-El Salvador	3,725	
Honduras-Guatemala	1,037	
Honduras-Mexico	3,313	
Honduras-Nicaragua		284
Honduras-Panama		6,190
Honduras-Spain	11,261	
Honduras-United Kingdom	48	
Honduras-United States	123,555	
Honduras-Venezuela (Bolivarian Republic of)		5
Hungary-Albania	164	
Hungary-Armenia	85	
Hungary-Austria	2,070	
Hungary-Azerbaijan	615	
Hungary-Bahamas		100
Hungary-Belarus		9*
Hungary-Belgium	7,445	
Hungary-Bosnia and Herzegovina	94	
Hungary-Bulgaria	1,237	
Hungary-Cabo Verde		48
Hungary-Cambodia		-
Hungary-Canada	166	
Hungary-China		18,480
Hungary-Croatia	375	
Hungary-Cyprus	5,552	
Hungary-Czechia	6,139	
Hungary-Denmark	4,557	
Hungary-Egypt		6,120
Hungary-Estonia	4*	
Hungary-Finland	3,287	
Hungary-France	20,466	
Hungary-Georgia	1,166	
Hungary-Germany	37,338	
Hungary-Ghana	107	
Hungary-Greece	12,600	
Hungary-Iceland	1,873	
Hungary-India		64*
Hungary-Indonesia	51	
Hungary-Iran (Islamic Republic of)		64

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Hungary-Iraq		77
Hungary-Ireland	7,465	
Hungary-Israel	14,365	
Hungary-Italy	18,681	
Hungary-Japan	49	
Hungary-Jordan		1,701
Hungary-Kazakhstan	26,246	
Hungary-Kuwait		30
Hungary-Latvia	740	
Hungary-Lebanon		7
Hungary-Lithuania	207	
Hungary-Luxembourg	9,356	
Hungary-Maldives		263
Hungary-Malta	2,556	
Hungary-Mongolia		133
Hungary-Montenegro	340	
Hungary-Morocco		26
Hungary-Netherlands	19,785	
Hungary-North Macedonia	61	
Hungary-Norway	1,930	
Hungary-Oman		91
Hungary-Poland	4,660	
Hungary-Portugal	8,024	
Hungary-Qatar	-	
Hungary-Republic of Korea	8,201	
Hungary-Republic of Moldova	45	
Hungary-Romania	2,835	
Hungary-Russian Federation		11,302
Hungary-Saudi Arabia	31	
Hungary-Serbia	1,449	
Hungary-Seychelles		37
Hungary-Slovakia	73	
Hungary-Slovenia	62	
Hungary-Spain	27,234	
Hungary-Sweden	5,278	
Hungary-Switzerland	4,758	
Hungary-Tunisia		83
Hungary-Türkiye	16,547	
Hungary-Turkmenistan		48
Hungary-Ukraine	2,321	
Hungary-United Arab Emirates	25,275	
Hungary-United Kingdom	35,700	
Hungary-United States	1,251	
Hungary-Uzbekistan		114
Hungary-Viet Nam		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iceland-Austria	2,309	
Iceland-Azerbaijan	46	
Iceland-Bahamas		547
Iceland-Belarus		-
Iceland-Belgium	17,642	
Iceland-Bulgaria	64	
Iceland-Cabo Verde		73
Iceland-Canada	13,753	
Iceland-China		1,954
Iceland-Colombia		347
Iceland-Costa Rica	53	
Iceland-Croatia	105	
Iceland-Cuba		55
Iceland-Cyprus	29	
Iceland-Czechia	1,237	
Iceland-Denmark	21,248	
Iceland-Dominica		-
Iceland-Dominican Republic	292	
Iceland-Ecuador		50
Iceland-Egypt		30
Iceland-Estonia	-	
Iceland-Finland	791	
Iceland-France	11,907	
Iceland-Germany	26,918	
Iceland-Greece	595	
Iceland-Hungary	1,708	
Iceland-Ireland	6,098	
Iceland-Israel	635	
Iceland-Italy	6,510	
Iceland-Latvia	3,131	
Iceland-Lithuania	205	
Iceland-Luxembourg	59	
Iceland-Malta	172	
Iceland-Mexico	481	
Iceland-Morocco		36
Iceland-Netherlands	13,302	
Iceland-North Macedonia	-	
Iceland-Norway	4,214	
Iceland-Pakistan		104
Iceland-Philippines	256	
Iceland-Poland	10,498	
Iceland-Portugal	301	
Iceland-Republic of Korea	52	
Iceland-Romania	631	
Iceland-Russian Federation		1,318

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iceland-Saudi Arabia	38	
Iceland-Slovenia	25	
Iceland-South Africa		198
Iceland-Spain	20,881	
Iceland-Sweden	5,466	
Iceland-Switzerland	5,354	
Iceland-Türkiye	690	
Iceland-Ukraine	53	
Iceland-United Kingdom	28,597	
Iceland-United States	195,438	
Iceland-Venezuela (Bolivarian Republic of)		461*
India-Afghanistan		7,738
India-Algeria		-
India-Armenia		-
India-Australia		-
India-Austria		8,000
India-Azerbaijan		11,573
India-Bahrain		45,071
India-Bangladesh		16,463
India-Belarus		157*
India-Belgium		5,623
India-Brunei Darussalam		344
India-Bulgaria		567
India-Cambodia		1,841
India-Canada		201,322
India-China		372,414
India-Cyprus		165
India-Denmark		91
India-Djibouti		632
India-Egypt		8,379
India-Estonia		188
India-Ethiopia		72,082
India-Finland		2,351
India-France		152,818
India-Georgia		5,128
India-Germany		488,085
India-Greece		271
India-Hungary		-
India-Iceland		444
India-Indonesia		5,614
India-Iran (Islamic Republic of)		1,374
India-Iraq		2,045
India-Ireland		128
India-Israel		5,078*
India-Italy		24,307

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
India-Japan		75,226
India-Jordan		1,244
India-Kazakhstan		2,428
India-Kenya		19,759
India-Kuwait		117,892
India-Kyrgyzstan		2,023
India-Lao People's Democratic Republic		196*
India-Latvia		898
India-Lebanon		2,163
India-Luxembourg		3,131
India-Malaysia		102,782
India-Maldives		47,050
India-Malta		2,212
India-Mauritius		11,610*
India-Mongolia		340
India-Montenegro		35*
India-Morocco		-
India-Myanmar		6,547
India-Nepal		8,048
India-Netherlands		102,285
India-Nigeria		7,206
India-Norway		67*
India-Oman		87,937
India-Pakistan		443
India-Philippines		4,212
India-Poland		-
India-Portugal		3,008
India-Qatar		464,570
India-Republic of Korea		46,384
India-Romania		26
India-Russian Federation		20,833
India-Rwanda		-
India-Saudi Arabia		126,917
India-Seychelles		1,651
India-Singapore		207,376
India-South Africa		1,176
India-Spain		2,909
India-Sri Lanka		29,915
India-Sudan		212*
India-Sweden		394
India-Switzerland		25,881
India-Tajikistan		488
India-Thailand		84,197
India-Türkiye		160,050
India-Turkmenistan		1,025

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
India-Uganda		259*
India-Ukraine		3,485*
India-United Arab Emirates		1,306,342
India-United Kingdom		466,505
India-United Republic of Tanzania		10,194
India-United States		823,290
India-Uzbekistan		3,779
India-Viet Nam		28,859
India-Yemen		574
India-Zimbabwe		-
Indonesia-Australia	19,825	
Indonesia-Bahrain		158
Indonesia-Belgium	-	
Indonesia-Brunei Darussalam		3,329
Indonesia-Cambodia		24*
Indonesia-China		201,884
Indonesia-Djibouti		146
Indonesia-Ethiopia		20,808
Indonesia-France	395	
Indonesia-Georgia	304	
Indonesia-Germany	-	
Indonesia-India		7,707
Indonesia-Italy	668	
Indonesia-Japan	144,454	
Indonesia-Jordan		51
Indonesia-Kyrgyzstan		-
Indonesia-Malaysia	36,222	
Indonesia-Maldives		227
Indonesia-Myanmar		181
Indonesia-Nepal		70
Indonesia-Netherlands	26,932	
Indonesia-New Zealand	428	
Indonesia-Oman		805
Indonesia-Pakistan		213
Indonesia-Palau		25
Indonesia-Papua New Guinea	760	
Indonesia-Philippines	10,102	
Indonesia-Qatar	488*	
Indonesia-Republic of Korea	102,315	
Indonesia-Russian Federation		107*
Indonesia-Saudi Arabia	27,531	
Indonesia-Seychelles		49
Indonesia-Singapore	78,325	
Indonesia-Sri Lanka		3,564
Indonesia-Thailand	34,689	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Indonesia-Timor-Leste		81
Indonesia-Türkiye	81,518	
Indonesia-United Arab Emirates	154,419	
Indonesia-United Kingdom	683	
Indonesia-United Republic of Tanzania	220	
Indonesia-United States	5,397	
Indonesia-Viet Nam		11,879
Iran (Islamic Republic of)-Afghanistan		23
Iran (Islamic Republic of)-Armenia		1,111
Iran (Islamic Republic of)-Austria		6,972
Iran (Islamic Republic of)-Azerbaijan		34
Iran (Islamic Republic of)-Bangladesh		88
Iran (Islamic Republic of)-Bulgaria		25
Iran (Islamic Republic of)-China		28,032
Iran (Islamic Republic of)-France		4,485
Iran (Islamic Republic of)-Georgia		78
Iran (Islamic Republic of)-Germany		33,225
Iran (Islamic Republic of)-Hungary		64
Iran (Islamic Republic of)-India		1,772*
Iran (Islamic Republic of)-Iraq		5,273
Iran (Islamic Republic of)-Italy		3,536
Iran (Islamic Republic of)-Kuwait		3,077
Iran (Islamic Republic of)-Lebanon		795
Iran (Islamic Republic of)-Malaysia		6,215
Iran (Islamic Republic of)-Oman		-
Iran (Islamic Republic of)-Pakistan		980
Iran (Islamic Republic of)-Qatar		38,748
Iran (Islamic Republic of)-Russian Federation		5,840
Iran (Islamic Republic of)-Serbia		751
Iran (Islamic Republic of)-Switzerland		41
Iran (Islamic Republic of)-Syrian Arab Republic		1,488
Iran (Islamic Republic of)-Tajikistan		38
Iran (Islamic Republic of)-Thailand		4,050
Iran (Islamic Republic of)-Türkiye		133,779
Iran (Islamic Republic of)-Turkmenistan		-
Iran (Islamic Republic of)-United Arab Emirates		43,791
Iran (Islamic Republic of)-United Kingdom		10,806
Iran (Islamic Republic of)-Uzbekistan		13
Iraq-Armenia		507
Iraq-Austria		3,381
Iraq-Azerbaijan		10,785
Iraq-Bahrain		3,477
Iraq-Belarus		4,518
Iraq-Belgium		79*
Iraq-Bulgaria		1,676

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iraq-China		-
Iraq-Croatia		9
Iraq-Cyprus		419
Iraq-Denmark		2,494
Iraq-Egypt		17,334
Iraq-Ethiopia		-
Iraq-Finland		72
Iraq-France		162
Iraq-Georgia		13
Iraq-Germany		14,057
Iraq-Greece		435
Iraq-Hungary		82
Iraq-India		1,772
Iraq-Iran (Islamic Republic of)		5,692
Iraq-Italy		1,195
Iraq-Jordan		16,777
Iraq-Kazakhstan		-
Iraq-Kuwait		5,318
Iraq-Lebanon		20,657
Iraq-Malta		918
Iraq-Netherlands		-
Iraq-Norway		-
Iraq-Oman		128
Iraq-Pakistan		4,481
Iraq-Qatar		35,472
Iraq-Republic of Korea		-
Iraq-Russian Federation		568
Iraq-Saudi Arabia		6,159
Iraq-Spain		139*
Iraq-Sweden		35
Iraq-Switzerland		18
Iraq-Syrian Arab Republic		12,092
Iraq-Türkiye		107,286
Iraq-Ukraine		96
Iraq-United Arab Emirates		56,804
Iraq-United States		3,526*
Iraq-Uzbekistan		-
Ireland-Albania	380	
Ireland-Algeria		31*
Ireland-Austria	4,584	
Ireland-Azerbaijan	337	
Ireland-Bahamas		359
Ireland-Barbados		122
Ireland-Belgium	11,424	
Ireland-Bosnia and Herzegovina	192	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ireland-Bulgaria	9,166	
Ireland-Canada	37,391	
Ireland-China		165*
Ireland-Costa Rica	47	
Ireland-Croatia	5,378	
Ireland-Cuba		327
Ireland-Cyprus	2,729	
Ireland-Czechia	2,639	
Ireland-Denmark	4,557	
Ireland-Dominican Republic	569	
Ireland-Egypt		20
Ireland-Estonia	1,086	
Ireland-Ethiopia		1,286
Ireland-Finland	3,387	
Ireland-France	33,511	
Ireland-Germany	53,948	
Ireland-Greece	16,530	
Ireland-Hungary	6,992	
Ireland-Iceland	6,327	
Ireland-India		178
Ireland-Israel	509	
Ireland-Italy	36,192	
Ireland-Japan	325	
Ireland-Jordan		259
Ireland-Kazakhstan	637	
Ireland-Kuwait		126
Ireland-Latvia	5,809	
Ireland-Lebanon		277
Ireland-Lithuania	9,342	
Ireland-Luxembourg	995	
Ireland-Malta	3,671	
Ireland-Mexico	753	
Ireland-Montenegro	12	
Ireland-Morocco		1,663
Ireland-Netherlands	22,714	
Ireland-North Macedonia	48	
Ireland-Norway	1,078	
Ireland-Oman		760
Ireland-Poland	34,452	
Ireland-Portugal	36,422	
Ireland-Qatar	38,696	
Ireland-Republic of Moldova	-	
Ireland-Romania	14,534	
Ireland-Russian Federation		1,354
Ireland-Saint Vincent and the Grenadines		32

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ireland-Saudi Arabia	543	
Ireland-Serbia	38	
Ireland-Slovakia	2,656	
Ireland-Slovenia	17	
Ireland-South Africa		474
Ireland-Spain	112,725	
Ireland-Sweden	4,008	
Ireland-Switzerland	5,681	
Ireland-Thailand	56	
Ireland-Türkiye	23,334	
Ireland-Ukraine	2,366	
Ireland-United Arab Emirates	57,963	
Ireland-United Kingdom	104,283	
Ireland-United States	392,261	
Ireland-Uzbekistan		303
Israel-Albania	420	
Israel-Angola		151
Israel-Armenia	23	
Israel-Austria	21,786	
Israel-Azerbaijan	12,040	
Israel-Bahrain		551
Israel-Belarus		29*
Israel-Belgium	90,473	
Israel-Bosnia and Herzegovina	8	
Israel-Bulgaria	7,810	
Israel-Cambodia		151
Israel-Canada	37,830	
Israel-China		152,543
Israel-Croatia	212	
Israel-Cyprus	7,304	
Israel-Czechia	15,478	
Israel-Denmark	913	
Israel-Egypt		4,489
Israel-Equatorial Guinea	134	
Israel-Estonia	77	
Israel-Ethiopia		15,267
Israel-Finland	1,433	
Israel-France	74,652	
Israel-Georgia	14,950	
Israel-Germany	75,949	
Israel-Ghana	96	
Israel-Greece	35,564	
Israel-Hungary	15,927	
Israel-Iceland	1,322	
Israel-India		5,255*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Israel-Ireland	520	
Israel-Italy	28,477	
Israel-Jordan		338
Israel-Kazakhstan	589	
Israel-Kenya	36	
Israel-Latvia	1,411	
Israel-Lithuania	1,833	
Israel-Maldives		150
Israel-Malta	652	
Israel-Montenegro	2,514	
Israel-Morocco		3,409
Israel-Netherlands	20,469	
Israel-Nigeria	95	
Israel-Norway	776	
Israel-Panama		209
Israel-Philippines	165	
Israel-Poland	12,193	
Israel-Portugal	4,394	
Israel-Republic of Korea	658*	
Israel-Republic of Moldova	4,111	
Israel-Romania	10,211	
Israel-Russian Federation		19,425
Israel-Rwanda	42*	
Israel-Serbia	1,227	
Israel-Seychelles		6,815
Israel-Singapore	359	
Israel-Slovakia	349	
Israel-Slovenia	259	
Israel-South Africa		108
Israel-Spain	28,408	
Israel-Sweden	257	
Israel-Switzerland	22,570	
Israel-Thailand	14,584	
Israel-Trinidad and Tobago		232
Israel-Türkiye	72,283	
Israel-Turkmenistan		217
Israel-Ukraine	28,492	
Israel-United Arab Emirates	40,722	
Israel-United Kingdom	73,466	
Israel-United Republic of Tanzania	1,282	
Israel-United States	584,046	
Israel-Uzbekistan		1,882
Israel-Viet Nam		-
Italy-Afghanistan	232	
Italy-Albania	34,033	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy-Algeria		1,687
Italy-Angola		32
Italy-Antigua and Barbuda		577
Italy-Argentina		5,366
Italy-Armenia	230	
Italy-Austria	35,572	
Italy-Azerbaijan	23,880	
Italy-Bahamas		355
Italy-Bahrain		8,290
Italy-Belarus		-
Italy-Belgium	103,221	
Italy-Benin	29	
Italy-Bosnia and Herzegovina	119	
Italy-Botswana	42	
Italy-Brazil		38,935
Italy-Bulgaria	15,434	
Italy-Burkina Faso	163	
Italy-Cabo Verde		263
Italy-Cameroon	30	
Italy-Canada	36,815	
Italy-China		300,002
Italy-Congo		21
Italy-Costa Rica	56	
Italy-Croatia	7,905	
Italy-Cuba		4,400
Italy-Cyprus	5,888	
Italy-Czechia	16,327	
Italy-Denmark	34,623	
Italy-Djibouti		1,064
Italy-Dominican Republic	5,647	
Italy-Egypt		52,982
Italy-El Salvador	241	
Italy-Estonia	6,163	
Italy-Ethiopia		32,889
Italy-Finland	12,583	
Italy-France	257,759	
Italy-Gabon	20	
Italy-Georgia	3,055	
Italy-Germany	349,386	
Italy-Greece	113,351	
Italy-Hungary	18,045	
Italy-Iceland	7,220	
Italy-India		16,208
Italy-Indonesia	342	
Italy-Iran (Islamic Republic of)		3,505

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy-Iraq		827
Italy-Ireland	39,051	
Italy-Israel	25,397	
Italy-Japan	178,503	
Italy-Jordan		6,380
Italy-Kazakhstan	310	
Italy-Kenya	197	
Italy-Kuwait		2,582
Italy-Latvia	11,904	
Italy-Lebanon		3,114
Italy-Libya		22
Italy-Lithuania	8,613	
Italy-Luxembourg	21,213	
Italy-Malaysia	-	
Italy-Maldives		4,070
Italy-Mali		2,606
Italy-Malta	23,862	
Italy-Mauritania		93
Italy-Mauritius		198
Italy-Montenegro	268	
Italy-Morocco		64,166
Italy-Netherlands	135,137	
Italy-Niger		673
Italy-Nigeria	224	
Italy-North Macedonia	1,452	
Italy-Norway	5,839	
Italy-Oman		-
Italy-Peru		203
Italy-Philippines	199	
Italy-Poland	67,924	
Italy-Portugal	74,152	
Italy-Qatar	174,929	
Italy-Republic of Korea	147,032	
Italy-Republic of Moldova	13,544	
Italy-Romania	88,956	
Italy-Russian Federation		67,608
Italy-Saint Vincent and the Grenadines		86
Italy-Saudi Arabia	12,067	
Italy-Senegal		15,793
Italy-Serbia	2,673	
Italy-Seychelles		76
Italy-Singapore	37,986	
Italy-Slovakia	1,773	
Italy-Slovenia	1,084	
Italy-South Africa		104*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy-Spain	388,108	
Italy-Sri Lanka		6,949
Italy-Sudan		212
Italy-Sweden	13,406	
Italy-Switzerland	47,716	
Italy-Tajikistan		206
Italy-Thailand	40	
Italy-Togo		242
Italy-Trinidad and Tobago		329
Italy-Tunisia		7,257
Italy-Türkiye	70,419	
Italy-Turkmenistan		1,410
Italy-Ukraine	31,801	
Italy-United Arab Emirates	219,548	
Italy-United Kingdom	214,482	
Italy-United States	718,625	
Italy-Uzbekistan		1,013
Italy-Viet Nam		809*
Jamaica-Antigua and Barbuda		1,106
Jamaica-Bahamas		879
Jamaica-Barbados		791
Jamaica-Belgium	117	
Jamaica-Canada	25,911	
Jamaica-Costa Rica	41	
Jamaica-Dominican Republic	1,625	
Jamaica-Germany	6,449	
Jamaica-Guyana	14	
Jamaica-Ireland	134	
Jamaica-Italy	134	
Jamaica-Mexico	66	
Jamaica-Netherlands	120	
Jamaica-Panama		2,111
Jamaica-Peru		93
Jamaica-Portugal	31	
Jamaica-Saint Kitts and Nevis		17
Jamaica-Saint Lucia		13
Jamaica-Suriname		30
Jamaica-Switzerland	37	
Jamaica-Trinidad and Tobago		484
Jamaica-United Kingdom	50,662	
Jamaica-United States	286,248	
Japan-Australia	134,872	
Japan-Austria	9,376	
Japan-Azerbaijan	42,667	
Japan-Bangladesh		1,371

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Japan-Belgium	185,234	
Japan-Brunei Darussalam		44
Japan-Cambodia		55*
Japan-Canada	143,197	
Japan-China		1,755,348
Japan-Cyprus	55	
Japan-Denmark	8,599	
Japan-Djibouti		-
Japan-Ethiopia		1,680
Japan-Fiji		-
Japan-Finland	137,048	
Japan-France	315,364	
Japan-Germany	290,381	
Japan-Hungary	197	
Japan-India		94,178
Japan-Indonesia	152,521	
Japan-Italy	25,970*	
Japan-Kazakhstan	541	
Japan-Kuwait		178
Japan-Malaysia	114,294	
Japan-Maldives		44
Japan-Mexico	-	
Japan-Micronesia (Federated States of)		69
Japan-Mongolia		1,116
Japan-Myanmar		-
Japan-Nepal		-
Japan-Netherlands	93,063*	
Japan-New Zealand	152*	
Japan-Norway	154	
Japan-Oman		-
Japan-Philippines	149,587	
Japan-Poland	-	
Japan-Portugal	410	
Japan-Qatar	-	
Japan-Republic of Korea	258,490	
Japan-Russian Federation		22,490
Japan-Samoa		152
Japan-Saudi Arabia	222	
Japan-Singapore	383,108	
Japan-Slovenia	55	
Japan-Spain	1,726*	
Japan-Sri Lanka		21,153
Japan-Switzerland	49,997	
Japan-Thailand	374,235	
Japan-Türkiye	53,569	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Japan-Turkmenistan		-
Japan-United Arab Emirates	235,042	
Japan-United Kingdom	251,353	
Japan-United States	3,984,250	
Japan-Uzbekistan		860
Japan-Viet Nam		290,998
Jordan-Afghanistan		-
Jordan-Albania		4*
Jordan-Algeria		-
Jordan-Armenia		15*
Jordan-Austria		5,828
Jordan-Azerbaijan		1,107
Jordan-Bahrain		12,345
Jordan-Bangladesh		-
Jordan-Belarus		-
Jordan-Belgium		4,061
Jordan-Bulgaria		1,686
Jordan-Canada		-
Jordan-China		6,122
Jordan-Croatia		73
Jordan-Cyprus		1,833
Jordan-Czechia		1,820
Jordan-Democratic Republic of the Congo		22
Jordan-Denmark		299
Jordan-Egypt		27,932
Jordan-Estonia		127
Jordan-Ethiopia		259
Jordan-France		6,364
Jordan-Georgia		-
Jordan-Germany		12,878
Jordan-Greece		1,805
Jordan-Hungary		1,826
Jordan-India		1,109
Jordan-Iraq		20,856
Jordan-Ireland		27
Jordan-Israel		467
Jordan-Italy		6,770
Jordan-Kazakhstan		-
Jordan-Kenya		594
Jordan-Kuwait		11,298
Jordan-Latvia		-
Jordan-Lebanon		4,232
Jordan-Libya		838*
Jordan-Lithuania		31
Jordan-Malaysia		12,922

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Jordan-Maldives		301
Jordan-Malta		359
Jordan-Montenegro		-
Jordan-Morocco		-
Jordan-Nepal		-
Jordan-Netherlands		11,505
Jordan-Niger		-
Jordan-Nigeria		-
Jordan-Norway		37
Jordan-Oman		2,400
Jordan-Pakistan		584
Jordan-Poland		3,289
Jordan-Portugal		414
Jordan-Qatar		45,313
Jordan-Romania		2,399
Jordan-Russian Federation		980
Jordan-Rwanda		-
Jordan-Saudi Arabia		46,367
Jordan-Serbia		50
Jordan-Seychelles		72
Jordan-Singapore		51
Jordan-Slovakia		13*
Jordan-Spain		4,363
Jordan-Sri Lanka		451
Jordan-Sudan		531*
Jordan-Sweden		-
Jordan-Switzerland		2,217
Jordan-Syrian Arab Republic		4
Jordan-Tajikistan		118
Jordan-Thailand		14,060
Jordan-Tunisia		2,411
Jordan-Türkiye		63,782
Jordan-Ukraine		77
Jordan-United Arab Emirates		110,328
Jordan-United Kingdom		21,069
Jordan-United States		49*
Jordan-Viet Nam		2,945*
Jordan-Yemen		2,613
Kazakhstan-Afghanistan	77	
Kazakhstan-Armenia	86	
Kazakhstan-Austria	9,147	
Kazakhstan-Azerbaijan	13,284	
Kazakhstan-Bahrain		259
Kazakhstan-Bangladesh		520
Kazakhstan-Belarus		12,788

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kazakhstan-Belgium	104,044	
Kazakhstan-Bosnia and Herzegovina	40	
Kazakhstan-Bulgaria	127	
Kazakhstan-China		318,398
Kazakhstan-Croatia	48	
Kazakhstan-Cyprus	115	
Kazakhstan-Czechia	1,660	
Kazakhstan-Denmark	43	
Kazakhstan-Egypt		48,829
Kazakhstan-Estonia	205	
Kazakhstan-Finland	197	
Kazakhstan-France	10,061	
Kazakhstan-Georgia	17,758	
Kazakhstan-Germany	71,586	
Kazakhstan-Greece	1,605	
Kazakhstan-Hungary	37,103	
Kazakhstan-India		1,821
Kazakhstan-Indonesia	38*	
Kazakhstan-Iraq		-
Kazakhstan-Ireland	1,710	
Kazakhstan-Israel	503	
Kazakhstan-Italy	403	
Kazakhstan-Japan	4,231	
Kazakhstan-Kuwait		355
Kazakhstan-Kyrgyzstan		4,747
Kazakhstan-Latvia	611	
Kazakhstan-Lebanon		86
Kazakhstan-Luxembourg	1,481	
Kazakhstan-Malaysia	8,938	
Kazakhstan-Maldives		9,764
Kazakhstan-Malta	1,072	
Kazakhstan-Mongolia		5,206
Kazakhstan-Montenegro	5,336	
Kazakhstan-Morocco		62
Kazakhstan-Netherlands	31,679	
Kazakhstan-North Macedonia	38	
Kazakhstan-Norway	68	
Kazakhstan-Oman		12
Kazakhstan-Pakistan		67
Kazakhstan-Philippines	525	
Kazakhstan-Poland	4,436	
Kazakhstan-Portugal	1,014	
Kazakhstan-Qatar	37*	
Kazakhstan-Republic of Korea	11,967	
Kazakhstan-Romania	25	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kazakhstan-Russian Federation		55,061
Kazakhstan-Saudi Arabia	471	
Kazakhstan-Senegal		197
Kazakhstan-Serbia	-	
Kazakhstan-Singapore	32*	
Kazakhstan-Slovakia	36*	
Kazakhstan-Spain	28,377	
Kazakhstan-Sri Lanka		1,829
Kazakhstan-Switzerland	289	
Kazakhstan-Syrian Arab Republic		-
Kazakhstan-Tajikistan		1,406
Kazakhstan-Thailand	5,807	
Kazakhstan-Türkiye	193,199	
Kazakhstan-Turkmenistan		1,601
Kazakhstan-Ukraine	10,512	
Kazakhstan-United Arab Emirates	55,103	
Kazakhstan-United Kingdom	25,644	
Kazakhstan-United States	801	
Kazakhstan-Uzbekistan		15,488
Kazakhstan-Viet Nam		888
Kenya-Algeria		-
Kenya-Angola		-
Kenya-Austria	30	
Kenya-Bahrain		27,504
Kenya-Belgium	139,175	
Kenya-Benin	-	
Kenya-Botswana	34*	
Kenya-Bulgaria	328	
Kenya-Burundi		-
Kenya-Cameroon	-	
Kenya-Central African Republic		-
Kenya-China		39,577
Kenya-Comoros		-
Kenya-Côte d'Ivoire	-	
Kenya-Cyprus	18	
Kenya-Democratic Republic of the Congo	11,817	
Kenya-Djibouti		656
Kenya-Egypt		17,894
Kenya-Eritrea		-
Kenya-Eswatini		-
Kenya-Ethiopia		36,661
Kenya-France	79,299	
Kenya-Gabon	-	
Kenya-Germany	46,987	
Kenya-Ghana	13,510	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kenya-Greece	73	
Kenya-Guinea		-
Kenya-Hungary	263	
Kenya-India		14,755
Kenya-Indonesia	551*	
Kenya-Italy	905	
Kenya-Jordan		-
Kenya-Kuwait		17
Kenya-Luxembourg	582	
Kenya-Madagascar	410	
Kenya-Malawi		4,176
Kenya-Malaysia	505	
Kenya-Maldives		206
Kenya-Mauritius		1,865
Kenya-Mozambique		918
Kenya-Namibia	-	
Kenya-Netherlands	278,361	
Kenya-Nigeria	12,349	
Kenya-Oman		425
Kenya-Pakistan		1,680
Kenya-Poland	-	
Kenya-Portugal	263	
Kenya-Qatar	-	
Kenya-Republic of Korea	-	
Kenya-Romania	682	
Kenya-Russian Federation		75
Kenya-Rwanda	5,689	
Kenya-Saudi Arabia	30,907	
Kenya-Senegal		37*
Kenya-Seychelles		988
Kenya-Sierra Leone		-
Kenya-Somalia		-
Kenya-South Africa		67,466
Kenya-South Sudan		-
Kenya-Spain	117	
Kenya-Sri Lanka		4,569*
Kenya-Sudan		424
Kenya-Sweden	32	
Kenya-Switzerland	193	
Kenya-Togo		-
Kenya-Türkiye	57,421	
Kenya-Uganda	6,179	
Kenya-United Arab Emirates	119,503	
Kenya-United Kingdom	88,597	
Kenya-United Republic of Tanzania	9,327	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kenya-United States	-	
Kenya-Viet Nam		305*
Kenya-Zambia	8,847	
Kenya-Zimbabwe		73*
Kiribati-Australia		42
Kiribati-Fiji		-
Kuwait-Afghanistan		3,488
Kuwait-Albania		79
Kuwait-Armenia		106
Kuwait-Austria		20
Kuwait-Azerbaijan		8,118
Kuwait-Bahrain		12,918
Kuwait-Bangladesh		40,073
Kuwait-Belarus		24
Kuwait-Belgium		-
Kuwait-Bosnia and Herzegovina		2,788
Kuwait-Bulgaria		10,459
Kuwait-Cambodia		139
Kuwait-Canada		1,025
Kuwait-China		45,378
Kuwait-Cuba		271
Kuwait-Cyprus		91*
Kuwait-Czechia		33
Kuwait-Djibouti		60
Kuwait-Egypt		31,914
Kuwait-Estonia		16
Kuwait-Ethiopia		7,710
Kuwait-Finland		145
Kuwait-France		6,688
Kuwait-Georgia		2,533
Kuwait-Germany		39,286
Kuwait-Ghana		-
Kuwait-Greece		224
Kuwait-Hungary		30*
Kuwait-India		117,324
Kuwait-Indonesia		-
Kuwait-Iran (Islamic Republic of)		3,098
Kuwait-Iraq		4,350
Kuwait-Ireland		968
Kuwait-Italy		2,784
Kuwait-Japan		171
Kuwait-Jordan		12,026
Kuwait-Kazakhstan		471
Kuwait-Kenya		972
Kuwait-Kyrgyzstan		2,827

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kuwait-Lebanon		14,984
Kuwait-Lithuania		33
Kuwait-Malaysia		34,820
Kuwait-Maldives		369
Kuwait-Malta		26*
Kuwait-Nepal		10,732
Kuwait-Netherlands		17,541
Kuwait-Nigeria		-
Kuwait-Oman		2,408
Kuwait-Pakistan		16,428
Kuwait-Philippines		19,695
Kuwait-Poland		169*
Kuwait-Portugal		65
Kuwait-Qatar		36,439
Kuwait-Republic of Korea		5,417
Kuwait-Romania		95
Kuwait-Russian Federation		203
Kuwait-Saudi Arabia		32,574
Kuwait-Serbia		271
Kuwait-Seychelles		35
Kuwait-Singapore		257
Kuwait-Slovakia		77
Kuwait-Spain		3,802
Kuwait-Sri Lanka		17,499
Kuwait-Sudan		501
Kuwait-Switzerland		4,230
Kuwait-Syrian Arab Republic		846
Kuwait-Thailand		2,827
Kuwait-Tunisia		-
Kuwait-Türkiye		91,339
Kuwait-Turkmenistan		10
Kuwait-Ukraine		387
Kuwait-United Arab Emirates		64,157
Kuwait-United Kingdom		33,964
Kuwait-United States		13,604
Kuwait-Uzbekistan		1,333
Kuwait-Viet Nam		678
Kuwait-Yemen		23
Kyrgyzstan-Afghanistan		-
Kyrgyzstan-Azerbaijan		849
Kyrgyzstan-Bahrain		284*
Kyrgyzstan-Bangladesh		-
Kyrgyzstan-Belarus		197*
Kyrgyzstan-Belgium		906
Kyrgyzstan-China		51,364

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kyrgyzstan-Egypt		-
Kyrgyzstan-Estonia		16
Kyrgyzstan-France		19
Kyrgyzstan-Georgia		1,001
Kyrgyzstan-Germany		187
Kyrgyzstan-India		411
Kyrgyzstan-Kazakhstan		4,318
Kyrgyzstan-Kuwait		2,872
Kyrgyzstan-Latvia		42*
Kyrgyzstan-Malaysia		155*
Kyrgyzstan-Montenegro		40
Kyrgyzstan-Netherlands		199
Kyrgyzstan-Oman		-
Kyrgyzstan-Pakistan		1,668
Kyrgyzstan-Qatar		-
Kyrgyzstan-Republic of Korea		159
Kyrgyzstan-Russian Federation		161,714
Kyrgyzstan-Saudi Arabia		-
Kyrgyzstan-Sweden		16
Kyrgyzstan-Switzerland		117
Kyrgyzstan-Tajikistan		1,255
Kyrgyzstan-Türkiye		73,435
Kyrgyzstan-Turkmenistan		-
Kyrgyzstan-Ukraine		32
Kyrgyzstan-United Arab Emirates		14,158
Kyrgyzstan-United Kingdom		50
Kyrgyzstan-United States		52
Kyrgyzstan-Uzbekistan		1,285
Kyrgyzstan-Viet Nam		140*
Lao People's Democratic Republic-Cambodia		37
Lao People's Democratic Republic-China		3,028
Lao People's Democratic Republic-India		19*
Lao People's Democratic Republic-Kazakhstan		-
Lao People's Democratic Republic-Malaysia		704
Lao People's Democratic Republic-Myanmar		109
Lao People's Democratic Republic-Philippines		23
Lao People's Democratic Republic-Republic of Korea		671
Lao People's Democratic Republic-Russian Federation		46
Lao People's Democratic Republic-Singapore		104
Lao People's Democratic Republic-Thailand		547
Lao People's Democratic Republic-United Arab Emirates		30
Lao People's Democratic Republic-United States		50

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lao People's Democratic Republic-Viet Nam		5*
Latvia-Afghanistan	544	
Latvia-Algeria		-
Latvia-Antigua and Barbuda		40
Latvia-Armenia	-	
Latvia-Austria	3,792	
Latvia-Azerbaijan	183	
Latvia-Bangladesh		311
Latvia-Belarus		237
Latvia-Belgium	3,980	
Latvia-Bulgaria	-	
Latvia-Cambodia		179
Latvia-Canada	328	
Latvia-China		6,880
Latvia-Croatia	1,928	
Latvia-Cyprus	3,171	
Latvia-Czechia	1,373	
Latvia-Denmark	5,249	
Latvia-Djibouti		59
Latvia-Egypt		2,807
Latvia-Estonia	3,421	
Latvia-Finland	3,772	
Latvia-France	7,201	
Latvia-Georgia	4,046	
Latvia-Germany	21,753	
Latvia-Greece	7,337	
Latvia-Hungary	778	
Latvia-Iceland	3,521	
Latvia-India		959
Latvia-Iraq		-
Latvia-Ireland	6,138	
Latvia-Israel	1,354	
Latvia-Italy	12,032	
Latvia-Jordan		18*
Latvia-Kazakhstan	433	
Latvia-Kenya	39	
Latvia-Kuwait		-
Latvia-Kyrgyzstan		93
Latvia-Lithuania	4,677	
Latvia-Luxembourg	11	
Latvia-Maldives		42
Latvia-Malta	1,669	
Latvia-Montenegro	201	
Latvia-Morocco		23*
Latvia-Netherlands	7,556	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Latvia-North Macedonia	-	
Latvia-Norway	6,199	
Latvia-Pakistan		-
Latvia-Poland	3,816	
Latvia-Portugal	2,492	
Latvia-Qatar	43	
Latvia-Republic of Moldova	30	
Latvia-Romania	28	
Latvia-Russian Federation		12,189
Latvia-Saudi Arabia	25	
Latvia-Serbia	10*	
Latvia-Slovakia	58	
Latvia-Slovenia	36	
Latvia-Spain	14,410	
Latvia-Sri Lanka		1,166
Latvia-Sweden	3,858	
Latvia-Switzerland	2,529	
Latvia-Tajikistan		23
Latvia-Türkiye	9,239	
Latvia-Ukraine	6,462	
Latvia-United Arab Emirates	2,261	
Latvia-United Kingdom	23,106	
Latvia-United States	1,192	
Latvia-Uzbekistan		1,944
Lebanon-Algeria		-
Lebanon-Armenia		28*
Lebanon-Austria		107
Lebanon-Azerbaijan		232
Lebanon-Bahrain		1,892
Lebanon-Bangladesh		-
Lebanon-Belarus		-
Lebanon-Belgium		3,599
Lebanon-Bulgaria		59
Lebanon-China		275
Lebanon-Côte d'Ivoire		-
Lebanon-Croatia		15
Lebanon-Cyprus		2,014
Lebanon-Czechia		81
Lebanon-Denmark		501*
Lebanon-Djibouti		85
Lebanon-Egypt		13,556
Lebanon-Ethiopia		21,790
Lebanon-Finland		171
Lebanon-France		56,855
Lebanon-Georgia		5*

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lebanon-Germany		44,702
Lebanon-Ghana		472*
Lebanon-Greece		4,370
Lebanon-Hungary		37
Lebanon-India		1,894
Lebanon-Iran (Islamic Republic of)		641
Lebanon-Iraq		21,455
Lebanon-Ireland		305
Lebanon-Italy		3,305
Lebanon-Jordan		9,935
Lebanon-Kazakhstan		78
Lebanon-Kuwait		11,561
Lebanon-Libya		35
Lebanon-Luxembourg		15
Lebanon-Maldives		30
Lebanon-Malta		46
Lebanon-Nepal		-
Lebanon-Netherlands		3,158
Lebanon-Nigeria		51*
Lebanon-Oman		12*
Lebanon-Poland		22*
Lebanon-Portugal		24
Lebanon-Qatar		61,118
Lebanon-Romania		1,304
Lebanon-Russian Federation		1,737
Lebanon-Saudi Arabia		21,362
Lebanon-Serbia		102
Lebanon-Seychelles		-
Lebanon-Spain		3,706
Lebanon-Sri Lanka		129
Lebanon-Sweden		1,583
Lebanon-Switzerland		5,119
Lebanon-Syrian Arab Republic		362
Lebanon-Tunisia		47
Lebanon-Türkiye		50,697
Lebanon-Ukraine		53
Lebanon-United Arab Emirates		114,287
Lebanon-United Kingdom		17,093
Lebanon-United States		55
Lebanon-Viet Nam		267
Lesotho-South Africa		878
Liberia-Algeria		-
Liberia-Belgium		20,322
Liberia-Burkina Faso		216
Liberia-Côte d'Ivoire		1,607

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Liberia-Democratic Republic of the Congo		-
Liberia-Egypt		91
Liberia-Ethiopia		1,279
Liberia-France		6,233*
Liberia-Ghana		4,286
Liberia-Guinea		-
Liberia-Italy		-
Liberia-Mali		6,913
Liberia-Morocco		-
Liberia-Nigeria		136
Liberia-Senegal		406
Liberia-Serbia		-
Liberia-Sierra Leone		415
Liberia-Spain		184
Liberia-Togo		53
Liberia-Türkiye		109
Liberia-United Kingdom		27
Libya-Algeria		15*
Libya-Belarus		-
Libya-Belgium		-
Libya-Brazil		-
Libya-Cabo Verde		-
Libya-Cyprus		17
Libya-Egypt		5,443
Libya-France		42
Libya-Gabon		41
Libya-Ghana		110
Libya-Greece		11
Libya-Ireland		-
Libya-Italy		35
Libya-Jordan		723*
Libya-Kyrgyzstan		-
Libya-Luxembourg		8
Libya-Mali		35
Libya-Malta		116
Libya-Niger		2,129
Libya-Nigeria		60
Libya-Qatar		-
Libya-Saudi Arabia		148
Libya-Serbia		-
Libya-Sudan		236*
Libya-Syrian Arab Republic		110
Libya-Tunisia		9,964
Libya-Türkiye		36,704
Libya-Turkmenistan		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Libya-United Arab Emirates		189
Libya-United Republic of Tanzania		140
Lithuania-Armenia	98	
Lithuania-Austria	1,071	
Lithuania-Azerbaijan	90	
Lithuania-Belarus		5*
Lithuania-Belgium	2,433	
Lithuania-Bulgaria	1,270	
Lithuania-Canada	147	
Lithuania-China		331
Lithuania-Croatia	293	
Lithuania-Cyprus	2,596	
Lithuania-Czechia	1,692	
Lithuania-Denmark	7,733	
Lithuania-Dominican Republic	834	
Lithuania-Egypt		10,003
Lithuania-Estonia	589	
Lithuania-Ethiopia		48
Lithuania-Finland	1,035	
Lithuania-France	4,561	
Lithuania-Georgia	1,733	
Lithuania-Germany	18,660	
Lithuania-Greece	10,019	
Lithuania-Hungary	181	
Lithuania-Iceland	257	
Lithuania-Iraq		28*
Lithuania-Ireland	9,930	
Lithuania-Israel	1,733	
Lithuania-Italy	8,906	
Lithuania-Jordan		93
Lithuania-Kazakhstan	95	
Lithuania-Kuwait		51
Lithuania-Latvia	4,708	
Lithuania-Lebanon		10
Lithuania-Luxembourg	43	
Lithuania-Malta	1,452	
Lithuania-Montenegro	521	
Lithuania-Netherlands	5,095	
Lithuania-Norway	9,859	
Lithuania-Poland	5,444	
Lithuania-Portugal	3,042	
Lithuania-Qatar	-	
Lithuania-Republic of Moldova	61	
Lithuania-Romania	93	
Lithuania-Russian Federation		1,046

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lithuania-Rwanda	-	
Lithuania-Serbia	53	
Lithuania-Slovakia	10	
Lithuania-Slovenia	14	
Lithuania-Spain	10,586	
Lithuania-Sweden	3,134	
Lithuania-Switzerland	167	
Lithuania-Tunisia		26
Lithuania-Türkiye	21,880	
Lithuania-Ukraine	5,963	
Lithuania-United Arab Emirates	230	
Lithuania-United Kingdom	35,212	
Luxembourg-Afghanistan	433	
Luxembourg-Algeria		-
Luxembourg-Austria	2,300	
Luxembourg-Azerbaijan	53,019	
Luxembourg-Bahrain		11,449
Luxembourg-Belarus		30
Luxembourg-Belgium	359	
Luxembourg-Brazil		108,401*
Luxembourg-Bulgaria	1,071	
Luxembourg-Cabo Verde		2,703
Luxembourg-Canada	5,811	
Luxembourg-China		10,936
Luxembourg-Congo		271
Luxembourg-Côte d'Ivoire	92	
Luxembourg-Croatia	389	
Luxembourg-Cyprus	12	
Luxembourg-Czechia	19	
Luxembourg-Denmark	1,248	
Luxembourg-Dominican Republic	33	
Luxembourg-Egypt		2,559
Luxembourg-Finland	105	
Luxembourg-France	9,901	
Luxembourg-Georgia	6,093	
Luxembourg-Germany	5,721	
Luxembourg-Greece	8,081	
Luxembourg-Guatemala	388	
Luxembourg-Hungary	607	
Luxembourg-Iceland	32	
Luxembourg-India		2,697
Luxembourg-Iraq		266*
Luxembourg-Ireland	1,159	
Luxembourg-Italy	18,029	
Luxembourg-Japan	37,695	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Luxembourg-Jordan		12,089
Luxembourg-Kazakhstan	16,000*	
Luxembourg-Kuwait		28,000
Luxembourg-Latvia	58	
Luxembourg-Lebanon		3,719
Luxembourg-Lithuania	43	
Luxembourg-Malaysia	38,781	
Luxembourg-Mali		42
Luxembourg-Malta	1,956	
Luxembourg-Mexico	78,354*	
Luxembourg-Montenegro	548	
Luxembourg-Morocco		270
Luxembourg-Netherlands	4,019	
Luxembourg-Nigeria	43	
Luxembourg-Norway	3,073	
Luxembourg-Oman		10,236
Luxembourg-Poland	1,194	
Luxembourg-Portugal	36,372	
Luxembourg-Qatar	9,219*	
Luxembourg-Republic of Korea	24,006	
Luxembourg-Romania	1,029	
Luxembourg-Russian Federation		181,250
Luxembourg-Saudi Arabia	43,104	
Luxembourg-Serbia	426	
Luxembourg-Seychelles		44
Luxembourg-Singapore	55,119	
Luxembourg-Slovakia	9	
Luxembourg-Slovenia	4	
Luxembourg-South Africa		69,762
Luxembourg-Spain	32,936	
Luxembourg-Sri Lanka		405
Luxembourg-Sweden	1,099	
Luxembourg-Switzerland	1,648	
Luxembourg-Thailand	106,100	
Luxembourg-Tunisia		2,516
Luxembourg-Türkiye	6,625	
Luxembourg-United Arab Emirates	104,025	
Luxembourg-United Kingdom	6,182	
Luxembourg-United States	430,539	
Luxembourg-Viet Nam		344
Madagascar-Benin	57	
Madagascar-China		635
Madagascar-Comoros		16
Madagascar-Democratic Republic of the Congo	71	
Madagascar-Djibouti		47

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Madagascar-Egypt		518
Madagascar-Ethiopia		7,227
Madagascar-France	43,675	
Madagascar-Kenya	878	
Madagascar-Lebanon		23
Madagascar-Mauritius		708
Madagascar-Qatar	-	
Madagascar-Russian Federation		43
Madagascar-Seychelles		76
Madagascar-South Africa		38
Madagascar-Türkiye	3,650	
Madagascar-Uganda	3,620*	
Madagascar-United Republic of Tanzania	14	
Madagascar-Zambia	716	
Malawi-Botswana		18
Malawi-Democratic Republic of the Congo		3,036
Malawi-Ethiopia		4,397
Malawi-Kenya		3,356*
Malawi-Madagascar		29
Malawi-Mozambique		1,767
Malawi-South Africa		15*
Malawi-Switzerland		40
Malawi-Uganda		20
Malawi-United Republic of Tanzania		147*
Malawi-Zambia		219
Malaysia-Angola		245
Malaysia-Australia	179,801	
Malaysia-Austria	517	
Malaysia-Azerbaijan	939*	
Malaysia-Bangladesh		21,875
Malaysia-Belgium	689	
Malaysia-Brunei Darussalam		2,806
Malaysia-Cambodia		2,230
Malaysia-Canada	1,001	
Malaysia-China		493,987
Malaysia-Denmark	204	
Malaysia-Egypt		1,307
Malaysia-Ethiopia		2,984
Malaysia-France	634	
Malaysia-Georgia	-	
Malaysia-Germany	324	
Malaysia-India		103,862
Malaysia-Indonesia	32,932	
Malaysia-Iran (Islamic Republic of)		1,647
Malaysia-Italy	230	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malaysia-Japan	112,793	
Malaysia-Kazakhstan	104*	
Malaysia-Kenya	741	
Malaysia-Kyrgyzstan		-
Malaysia-Lao People's Democratic Republic		929
Malaysia-Maldives		7,320
Malaysia-Myanmar		10,620
Malaysia-Nepal		3,891*
Malaysia-Netherlands	16,611	
Malaysia-New Zealand	99,843	
Malaysia-Oman		2,177
Malaysia-Pakistan		6,675
Malaysia-Palau		299
Malaysia-Papua New Guinea	46	
Malaysia-Philippines	18,128	
Malaysia-Qatar	132*	
Malaysia-Republic of Korea	174,621	
Malaysia-Romania	51	
Malaysia-Russian Federation		3,428
Malaysia-Saudi Arabia	23,015	
Malaysia-Singapore	31,439	
Malaysia-South Africa		769
Malaysia-Sri Lanka		5,590
Malaysia-Switzerland	59	
Malaysia-Tajikistan		-
Malaysia-Thailand	18,906	
Malaysia-Timor-Leste		592
Malaysia-Türkiye	91,834	
Malaysia-Uganda	465	
Malaysia-United Arab Emirates	160,653	
Malaysia-United Kingdom	77,486	
Malaysia-United States	890	
Malaysia-Uzbekistan		212
Malaysia-Viet Nam		32,564
Maldives-Argentina		416
Maldives-Armenia		43
Maldives-Australia		234
Maldives-Austria		14,391
Maldives-Azerbaijan		322
Maldives-Bahrain		7,488
Maldives-Bangladesh		4,828
Maldives-Belgium		57
Maldives-Botswana		35
Maldives-Bulgaria		44
Maldives-Cambodia		89

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Maldives-China		296
Maldives-Cyprus		499
Maldives-Czechia		2,152
Maldives-Denmark		295
Maldives-Egypt		191
Maldives-Estonia		35
Maldives-Eswatini		-
Maldives-Finland		91
Maldives-France		2,732
Maldives-Gabon		43
Maldives-Georgia		48
Maldives-Germany		45,097
Maldives-Greece		411
Maldives-Hungary		247
Maldives-India		46,453
Maldives-Indonesia		299
Maldives-Israel		37
Maldives-Italy		3,696
Maldives-Japan		42*
Maldives-Jordan		249
Maldives-Kazakhstan		9,318
Maldives-Kenya		22
Maldives-Kuwait		513
Maldives-Lao People's Democratic Republic		45
Maldives-Latvia		41
Maldives-Malaysia		7,328
Maldives-Malta		51
Maldives-Mauritius		32
Maldives-Mozambique		29
Maldives-Netherlands		94
Maldives-Norway		-
Maldives-Oman		217
Maldives-Pakistan		-
Maldives-Poland		5,835
Maldives-Portugal		58
Maldives-Qatar		93,354
Maldives-Republic of Korea		146*
Maldives-Romania		35
Maldives-Russian Federation		98,632
Maldives-Rwanda		28
Maldives-Saudi Arabia		13,362
Maldives-Seychelles		1,285
Maldives-Singapore (excluding data from Singapore)		157
Maldives-Slovakia		300

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Maldives-South Africa		231*
Maldives-Spain		7,631
Maldives-Sri Lanka		28,085
Maldives-Sweden		102
Maldives-Switzerland		19,792
Maldives-Thailand		274
Maldives-Tunisia		48
Maldives-Türkiye		51,867
Maldives-Ukraine		2,800
Maldives-United Arab Emirates		149,661
Maldives-United Kingdom		38,348
Maldives-United Republic of Tanzania		33*
Maldives-United States		148
Maldives-Uzbekistan		1,040
Maldives-Viet Nam		124
Maldives-Zimbabwe		43
Mali-Algeria		2,042
Mali-Angola		115
Mali-Azerbaijan		382
Mali-Belgium		127
Mali-Benin		5,611
Mali-Burkina Faso		512
Mali-Chad		69*
Mali-Côte d'Ivoire		6,617
Mali-Czechia		130
Mali-Democratic Republic of the Congo		16
Mali-Egypt		157
Mali-Ethiopia		32,873
Mali-France		33,892
Mali-Gabon		525
Mali-Germany		1,411
Mali-Ghana		67
Mali-Guinea		2,521
Mali-Italy		2,180
Mali-Liberia		8,578
Mali-Libya		35
Mali-Luxembourg		41
Mali-Mauritania		1,300
Mali-Morocco		6,541
Mali-Netherlands		172
Mali-Niger		6,477
Mali-Nigeria		551
Mali-Qatar		-
Mali-Saudi Arabia		181
Mali-Senegal		13,436

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mali-Serbia		-
Mali-Sierra Leone		10
Mali-Spain		2,268
Mali-Sudan		42
Mali-Switzerland		20
Mali-Togo		3,681
Mali-Tunisia		1,682
Mali-Türkiye		9,621
Mali-United Arab Emirates		197*
Malta-Algeria		-
Malta-Angola		-
Malta-Armenia	61	
Malta-Austria	4,814	
Malta-Azerbaijan	264	
Malta-Barbados		55
Malta-Belarus		-
Malta-Belgium	6,977	
Malta-Benin	39	
Malta-Bulgaria	1,952	
Malta-Cabo Verde		23
Malta-Cameroon	12	
Malta-China		297
Malta-Costa Rica	53	
Malta-Côte d'Ivoire	86	
Malta-Croatia	192	
Malta-Cyprus	4,202	
Malta-Czechia	1,094	
Malta-Democratic Republic of the Congo	875	
Malta-Denmark	3,200	
Malta-Djibouti		26
Malta-Egypt		817
Malta-Estonia	321	
Malta-Finland	39	
Malta-France	20,550	
Malta-Gabon	38	
Malta-Gambia		98
Malta-Georgia	71	
Malta-Germany	26,017	
Malta-Ghana	262	
Malta-Greece	2,765	
Malta-Hungary	2,580	
Malta-Iceland	185	
Malta-Iraq		65
Malta-Ireland	3,966	
Malta-Israel	363	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malta-Italy	28,827	
Malta-Jordan		309
Malta-Kazakhstan	592	
Malta-Kenya	269	
Malta-Kuwait		18
Malta-Kyrgyzstan		304
Malta-Latvia	1,653	
Malta-Lebanon		16*
Malta-Liberia		100
Malta-Libya		43
Malta-Lithuania	1,456	
Malta-Luxembourg	1,990	
Malta-Malawi		403
Malta-Maldives		87
Malta-Mexico	49	
Malta-Montenegro	11	
Malta-Morocco		215
Malta-Namibia	1,137	
Malta-Netherlands	4,750	
Malta-Nigeria	16	
Malta-North Macedonia	9	
Malta-Norway	188	
Malta-Oman		45
Malta-Poland	9,983	
Malta-Portugal	3,779	
Malta-Qatar	-	
Malta-Romania	1,098	
Malta-Russian Federation		364
Malta-Rwanda	40	
Malta-Saudi Arabia	62*	
Malta-Senegal		54
Malta-Serbia	793	
Malta-Sierra Leone		245
Malta-Slovakia	818	
Malta-Slovenia	81	
Malta-South Africa		48
Malta-Spain	10,263	
Malta-Sudan		-
Malta-Sweden	1,021	
Malta-Switzerland	5,109	
Malta-Tunisia		1,169
Malta-Türkiye	5,559	
Malta-Turkmenistan		-
Malta-Ukraine	224	
Malta-United Arab Emirates	499	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malta-United Kingdom	47,586	
Malta-United States	6,218	
Malta-Zambia	161	
Marshall Islands-Fiji		-
Marshall Islands-Micronesia (Federated States of)		815
Marshall Islands-United States	10,999	
Mauritania-Algeria		29*
Mauritania-Angola		508
Mauritania-Bulgaria		137
Mauritania-Burkina Faso		59
Mauritania-Cabo Verde		12
Mauritania-Cameroon		32*
Mauritania-Canada		97
Mauritania-Central African Republic		84
Mauritania-Côte d'Ivoire		22
Mauritania-Egypt		91
Mauritania-Ethiopia		134
Mauritania-France		11,625
Mauritania-Gabon		35*
Mauritania-Guinea		2,629
Mauritania-Guinea-Bissau		16
Mauritania-Hungary		-
Mauritania-Mali		1,227
Mauritania-Morocco		8,799
Mauritania-Niger		24
Mauritania-Portugal		20
Mauritania-Senegal		5,075
Mauritania-South Africa		-
Mauritania-Spain		3,465
Mauritania-Switzerland		12
Mauritania-Togo		24
Mauritania-Tunisia		4,656
Mauritania-Türkiye		9,626
Mauritania-United Arab Emirates		592
Mauritania-United States		95
Mauritius-Austria		7,143
Mauritius-Belgium		3,906
Mauritius-China		1,006
Mauritius-Comoros		18
Mauritius-Czechia		52
Mauritius-Egypt		256
Mauritius-Ethiopia		35
Mauritius-France		91,567
Mauritius-Germany		14,176
Mauritius-Greece		44

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mauritius-India		10,714*
Mauritius-Italy		198
Mauritius-Kenya		2,860
Mauritius-Madagascar		775
Mauritius-Maldives		21
Mauritius-Netherlands		416
Mauritius-Poland		48
Mauritius-Qatar		-
Mauritius-Saudi Arabia		-
Mauritius-Seychelles		815
Mauritius-Singapore		122
Mauritius-South Africa		10,551
Mauritius-Spain		189
Mauritius-Switzerland		-
Mauritius-Türkiye		10,645
Mauritius-United Arab Emirates		30,717
Mauritius-United Kingdom		26,514
Mauritius-Zimbabwe		14
Mexico-Antigua and Barbuda		27
Mexico-Argentina		30,270
Mexico-Austria	4,476	
Mexico-Bahamas		901
Mexico-Belgium	27,089	
Mexico-Belize		65
Mexico-Bolivia (Plurinational State of)		97
Mexico-Brazil		101,131
Mexico-Cabo Verde		179
Mexico-Canada	166,063	
Mexico-Chile		42,887
Mexico-China		257
Mexico-Colombia		64,939
Mexico-Costa Rica	23,671	
Mexico-Cuba		3,400
Mexico-Denmark	339	
Mexico-Dominican Republic	10,149	
Mexico-Ecuador		29,517
Mexico-Egypt		210
Mexico-El Salvador	7,702	
Mexico-France	205,299	
Mexico-Germany	211,343	
Mexico-Grenada		17
Mexico-Guatemala	18,067	
Mexico-Guinea		-
Mexico-Guyana	41	
Mexico-Honduras	3,820	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mexico-Iceland	233	
Mexico-Ireland	94	
Mexico-Israel	400	
Mexico-Italy	3,568	
Mexico-Jamaica	64	
Mexico-Japan	-	
Mexico-Luxembourg	16,135*	
Mexico-Netherlands	116,911	
Mexico-Nicaragua		3,262
Mexico-Panama		89,314
Mexico-Peru		51,706
Mexico-Poland	-	
Mexico-Portugal	16,619	
Mexico-Qatar	-	
Mexico-Republic of Korea	45,221	
Mexico-Russian Federation		43,734
Mexico-Saint Vincent and the Grenadines		20
Mexico-Senegal		-
Mexico-Spain	273,181	
Mexico-Sweden	564	
Mexico-Switzerland	19,977	
Mexico-Trinidad and Tobago		250
Mexico-Türkiye	47,846	
Mexico-Ukraine	168	
Mexico-United Kingdom	86,759	
Mexico-United States	3,222,196	
Mexico-Uruguay		77
Mexico-Venezuela (Bolivarian Republic of)		5,482
Micronesia (Federated States of)-Australia		187
Micronesia (Federated States of)-Cambodia		33
Micronesia (Federated States of)-Japan		69
Micronesia (Federated States of)-Marshall Islands		1,959
Micronesia (Federated States of)-Palau		37
Micronesia (Federated States of)-Republic of Korea		109
Micronesia (Federated States of)-United States		2,285
Mongolia-Australia		49
Mongolia-Azerbaijan		133
Mongolia-China		8,540
Mongolia-Denmark		234
Mongolia-France		8,573
Mongolia-Germany		4,137
Mongolia-Hungary		133
Mongolia-India		464
Mongolia-Iran (Islamic Republic of)		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mongolia-Japan		1,092
Mongolia-Kazakhstan		5,319
Mongolia-Kyrgyzstan		100
Mongolia-Myanmar		185
Mongolia-Netherlands		2,461
Mongolia-Qatar		-
Mongolia-Republic of Korea		8,574
Mongolia-Russian Federation		4,098
Mongolia-Singapore		52
Mongolia-Thailand		199
Mongolia-Türkiye		8,098
Mongolia-United Arab Emirates		521
Mongolia-United Kingdom		130
Mongolia-United States		1,766
Mongolia-Uzbekistan		43
Mongolia-Viet Nam		638
Montenegro-Albania	25	
Montenegro-Armenia	14	
Montenegro-Austria	3,672	
Montenegro-Azerbaijan	42	
Montenegro-Belarus		7*
Montenegro-Belgium	881	
Montenegro-Bosnia and Herzegovina	-	
Montenegro-Bulgaria	49	
Montenegro-Canada	22	
Montenegro-Croatia	344	
Montenegro-Cyprus	33	
Montenegro-Czechia	11	
Montenegro-Denmark	220	
Montenegro-Egypt		49
Montenegro-Estonia	560	
Montenegro-Finland	60	
Montenegro-France	1,061	
Montenegro-Georgia	65	
Montenegro-Germany	4,078	
Montenegro-Greece	150	
Montenegro-Hungary	363	
Montenegro-India		34
Montenegro-Iraq		22
Montenegro-Israel	2,260	
Montenegro-Italy	223	
Montenegro-Jordan		16*
Montenegro-Kazakhstan	4,864	
Montenegro-Latvia	206	
Montenegro-Lebanon		6

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Montenegro-Lithuania	531	
Montenegro-Luxembourg	623	
Montenegro-Malta	5	
Montenegro-Netherlands	96	
Montenegro-North Macedonia	2*	
Montenegro-Norway	23	
Montenegro-Poland	3,329	
Montenegro-Portugal	54	
Montenegro-Qatar	-	
Montenegro-Republic of Moldova	-	
Montenegro-Romania	29	
Montenegro-Russian Federation		952
Montenegro-Saudi Arabia	-	
Montenegro-Serbia	8,639	
Montenegro-Slovakia	12	
Montenegro-Slovenia	11	
Montenegro-Spain	1,326	
Montenegro-Sweden	32	
Montenegro-Switzerland	1,166	
Montenegro-Tunisia		12
Montenegro-Türkiye	6,598	
Montenegro-Ukraine	23,998	
Montenegro-United Arab Emirates	1,100	
Montenegro-United Kingdom	1,076	
Montenegro-United States	250	
Morocco-Algeria		829
Morocco-Angola		165
Morocco-Austria		462
Morocco-Bahrain		11,778
Morocco-Belgium		76,469
Morocco-Benin		-
Morocco-Bosnia and Herzegovina		17
Morocco-Brazil		460*
Morocco-Burkina Faso		5,500
Morocco-Cabo Verde		1,004
Morocco-Cameroon		-
Morocco-Canada		32,503
Morocco-Central African Republic		367*
Morocco-Chad		33*
Morocco-China		-
Morocco-Colombia		46*
Morocco-Congo		-
Morocco-Costa Rica		-
Morocco-Côte d'Ivoire		69*
Morocco-Croatia		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Morocco-Czechia		254
Morocco-Democratic Republic of the Congo		-
Morocco-Denmark		27*
Morocco-Dominican Republic		71
Morocco-Ecuador		-
Morocco-Egypt		8,868
Morocco-Equatorial Guinea		-
Morocco-Ethiopia		772
Morocco-Finland		-
Morocco-France		290,785
Morocco-Gabon		-
Morocco-Gambia		-
Morocco-Germany		27,097
Morocco-Ghana		-
Morocco-Greece		10
Morocco-Guinea		3,977
Morocco-Guinea-Bissau		-
Morocco-Hungary		75
Morocco-India		-
Morocco-Ireland		1,798
Morocco-Israel		2,955
Morocco-Italy		62,116
Morocco-Jordan		-
Morocco-Kazakhstan		77
Morocco-Kenya		222
Morocco-Kuwait		29
Morocco-Latvia		39*
Morocco-Liberia		-
Morocco-Libya		22
Morocco-Luxembourg		264
Morocco-Mali		6,823
Morocco-Malta		58
Morocco-Mauritania		9,598
Morocco-Netherlands		35,262
Morocco-Niger		74*
Morocco-Nigeria		5,697
Morocco-Poland		850
Morocco-Portugal		6,104
Morocco-Qatar		-
Morocco-Romania		245
Morocco-Russian Federation		3,717
Morocco-Rwanda		67
Morocco-Saudi Arabia		32,093
Morocco-Senegal		19,353
Morocco-Sierra Leone		1,650

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Morocco-South Africa		-
Morocco-Spain		67,748
Morocco-Switzerland		10,839
Morocco-Togo		-
Morocco-Tunisia		5,888
Morocco-Türkiye		49,686
Morocco-United Arab Emirates		89,134
Morocco-United Kingdom		17,209
Morocco-United States		60,850
Morocco-Uzbekistan		56
Mozambique-Angola		197
Mozambique-Botswana		18
Mozambique-Brazil		161
Mozambique-Cabo Verde		69
Mozambique-Côte d'Ivoire		-
Mozambique-Djibouti		48
Mozambique-Egypt		84
Mozambique-Ethiopia		16,281*
Mozambique-France		101
Mozambique-Gabon		37
Mozambique-Ghana		-
Mozambique-Italy		392
Mozambique-Kenya		3,771
Mozambique-Madagascar		73
Mozambique-Malawi		16
Mozambique-Portugal		20,451
Mozambique-Qatar		-
Mozambique-Rwanda		1,338
Mozambique-Saudi Arabia		39
Mozambique-South Africa		10,190
Mozambique-Spain		331
Mozambique-Switzerland		238
Mozambique-Togo		26
Mozambique-Uganda		51*
Mozambique-United Arab Emirates		573
Mozambique-United Republic of Tanzania		81
Mozambique-Zimbabwe		23
Myanmar-Bangladesh		194
Myanmar-Cambodia		2,581
Myanmar-China		26,999
Myanmar-India		6,568
Myanmar-Indonesia		184
Myanmar-Japan		-
Myanmar-Lao People's Democratic Republic		9
Myanmar-Malaysia		10,314

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Myanmar-Mongolia		150
Myanmar-Oman		44
Myanmar-Pakistan		35
Myanmar-Philippines		767
Myanmar-Qatar		-
Myanmar-Republic of Korea		7,290*
Myanmar-Russian Federation		80*
Myanmar-Serbia		-
Myanmar-Singapore		8,359
Myanmar-Sri Lanka		24
Myanmar-Thailand		6,123
Myanmar-Türkiye		10,188
Myanmar-United Arab Emirates		3,981
Myanmar-Uzbekistan		41
Myanmar-Viet Nam		685
Namibia-Benin	45	
Namibia-Cameroon	148	
Namibia-Cyprus	32	
Namibia-Ethiopia		13,140
Namibia-France	121	
Namibia-Germany	43,804	
Namibia-Kenya	11*	
Namibia-Madagascar	172	
Namibia-Malaysia	224	
Namibia-Mozambique		27
Namibia-Nigeria	38	
Namibia-Oman		-
Namibia-Russian Federation		210
Namibia-Rwanda	68	
Namibia-South Africa		17,314
Namibia-Spain	155	
Namibia-Türkiye	3,607	
Namibia-Uganda	27	
Namibia-United Arab Emirates	75	
Namibia-United Republic of Tanzania	27	
Namibia-Zambia	-	
Nauru-Australia		6,934
Nauru-Fiji		100
Nauru-Micronesia (Federated States of)		186
Nauru-Palau		81
Nauru-Solomon Islands		31
Nauru-United States		32
Nepal-Afghanistan		-
Nepal-Bahrain		-
Nepal-Bangladesh		776

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nepal-Brunei Darussalam		-
Nepal-Cambodia		50*
Nepal-China		9,151*
Nepal-Ethiopia		1,560
Nepal-India		7,804
Nepal-Japan		30*
Nepal-Jordan		-
Nepal-Kuwait		10,732
Nepal-Lao People's Democratic Republic		23
Nepal-Malaysia		3,164*
Nepal-Oman		16*
Nepal-Pakistan		-
Nepal-Qatar		-
Nepal-Republic of Korea		1,912
Nepal-Russian Federation		275
Nepal-Saudi Arabia		-
Nepal-Singapore		5,432*
Nepal-Spain		177
Nepal-Sri Lanka		1,531
Nepal-Thailand		-
Nepal-Türkiye		19,716*
Nepal-Turkmenistan		-
Nepal-United Arab Emirates		61,720
Netherlands-Afghanistan	481	
Netherlands-Albania	1,067	
Netherlands-Algeria		39
Netherlands-Antigua and Barbuda		155
Netherlands-Argentina		51,657
Netherlands-Austria	22,701	
Netherlands-Azerbaijan	33,429	
Netherlands-Bahamas		373
Netherlands-Bahrain		9,542
Netherlands-Barbados		4,614
Netherlands-Belarus		-
Netherlands-Belgium	7,332	
Netherlands-Bosnia and Herzegovina	2,731	
Netherlands-Brazil		258,857
Netherlands-Bulgaria	17,766	
Netherlands-Cabo Verde		3,216
Netherlands-Cameroon	44	
Netherlands-Canada	184,376	
Netherlands-Central African Republic		45
Netherlands-Chile		36,419
Netherlands-China		646,161
Netherlands-Colombia		49,408

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Netherlands-Costa Rica	19,539	
Netherlands-Côte d'Ivoire	21	
Netherlands-Croatia	25,666	
Netherlands-Cuba		339
Netherlands-Cyprus	10,497	
Netherlands-Czechia	12,223	
Netherlands-Denmark	24,915	
Netherlands-Dominican Republic	1,549	
Netherlands-Ecuador		65,595
Netherlands-Egypt		22,197
Netherlands-Estonia	2,904	
Netherlands-Ethiopia		9,468
Netherlands-Finland	18,534	
Netherlands-France	132,662	
Netherlands-Gambia		789
Netherlands-Georgia	5,725	
Netherlands-Germany	77,988	
Netherlands-Ghana	40,755	
Netherlands-Greece	119,820	
Netherlands-Grenada		14
Netherlands-Guyana	115	
Netherlands-Haiti		113
Netherlands-Honduras	6	
Netherlands-Hungary	19,061	
Netherlands-Iceland	14,604	
Netherlands-India		70,508
Netherlands-Indonesia	25,409	
Netherlands-Iran (Islamic Republic of)		-
Netherlands-Iraq		2,454
Netherlands-Ireland	23,766	
Netherlands-Israel	18,250	
Netherlands-Italy	139,010	
Netherlands-Jamaica	520	
Netherlands-Japan	90,952	
Netherlands-Jordan		8,344
Netherlands-Kazakhstan	14,657	
Netherlands-Kenya	111,639	
Netherlands-Kuwait		29,416
Netherlands-Kyrgyzstan		199
Netherlands-Latvia	6,950	
Netherlands-Lebanon		3,161
Netherlands-Libya		90
Netherlands-Lithuania	4,808	
Netherlands-Luxembourg	7,794	
Netherlands-Malaysia	15,953	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Netherlands-Maldives		90
Netherlands-Mali		882
Netherlands-Malta	4,491	
Netherlands-Mexico	146,156	
Netherlands-Mongolia		2,461
Netherlands-Montenegro	54	
Netherlands-Morocco		36,751
Netherlands-Nigeria	27,740	
Netherlands-North Macedonia	2,097	
Netherlands-Norway	45,518	
Netherlands-Oman		115
Netherlands-Pakistan		119
Netherlands-Panama		86,175
Netherlands-Peru		109,205
Netherlands-Poland	43,820	
Netherlands-Portugal	96,297	
Netherlands-Qatar	213*	
Netherlands-Republic of Korea	209,603	
Netherlands-Republic of Moldova	783	
Netherlands-Romania	31,196	
Netherlands-Russian Federation		64,775
Netherlands-Rwanda	35,185	
Netherlands-Saint Kitts and Nevis		56
Netherlands-Saint Lucia		112
Netherlands-Saint Vincent and the Grenadines		85
Netherlands-Saudi Arabia	71,752	
Netherlands-Serbia	9,596	
Netherlands-Seychelles		64*
Netherlands-Singapore	199,919	
Netherlands-Slovakia	242	
Netherlands-Slovenia	1,133	
Netherlands-South Africa		137,989
Netherlands-Spain	339,271	
Netherlands-Sri Lanka		267
Netherlands-Sudan		206
Netherlands-Suriname		38,050
Netherlands-Sweden	32,914	
Netherlands-Switzerland	26,347	
Netherlands-Thailand	170,110	
Netherlands-Togo		48
Netherlands-Trinidad and Tobago		4,472
Netherlands-Tunisia		228
Netherlands-Türkiye	165,531	
Netherlands-Uganda	144	
Netherlands-Ukraine	19,222	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Netherlands-United Arab Emirates	370,619	
Netherlands-United Kingdom	87,365	
Netherlands-United Republic of Tanzania	43,723	
Netherlands-United States	1,627,849	
Netherlands-Uzbekistan		6,460
Netherlands-Viet Nam		-
New Zealand-Australia	214,228	
New Zealand-Canada	35,823*	
New Zealand-Chile		2,337
New Zealand-China		221,329
New Zealand-Cook Islands		-
New Zealand-Fiji		-
New Zealand-France	3,487*	
New Zealand-Indonesia	2,012	
New Zealand-Japan	53*	
New Zealand-Malaysia	110,853	
New Zealand-Papua New Guinea	390	
New Zealand-Philippines	144	
New Zealand-Republic of Korea	22,453	
New Zealand-Samoa		-
New Zealand-Singapore	139,317	
New Zealand-Thailand	5,704	
New Zealand-Tonga		-
New Zealand-United States	147,996	
Nicaragua-Barbados		-
Nicaragua-Brazil		56
Nicaragua-Canada		107
Nicaragua-Costa Rica		33
Nicaragua-Cuba		69
Nicaragua-Dominican Republic		52
Nicaragua-El Salvador		6,208
Nicaragua-France		47
Nicaragua-Guatemala		15
Nicaragua-Honduras		2,214
Nicaragua-Mexico		2,561
Nicaragua-Panama		2,975
Nicaragua-Spain		360
Nicaragua-United States		25,901
Nicaragua-Venezuela (Bolivarian Republic of)		163
Niger-Algeria		4,766
Niger-Azerbaijan		114
Niger-Belgium		583
Niger-Benin		210
Niger-Burkina Faso		5,488
Niger-Central African Republic		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Niger-Chad		15*
Niger-China		237
Niger-Congo		16
Niger-Côte d'Ivoire		2,027
Niger-Denmark		159
Niger-Egypt		117
Niger-Ethiopia		12,118
Niger-France		21,647
Niger-Germany		19,502
Niger-Ghana		-
Niger-Guinea		195
Niger-Italy		555
Niger-Jordan		-
Niger-Kenya		126
Niger-Liberia		-
Niger-Libya		2,076
Niger-Mali		3,089
Niger-Morocco		61*
Niger-Netherlands		40
Niger-Nigeria		919
Niger-Qatar		36
Niger-Senegal		282
Niger-Sierra Leone		45
Niger-Spain		169
Niger-Sudan		221
Niger-Togo		5,328
Niger-Tunisia		1,763
Niger-Türkiye		8,922
Niger-Ukraine		455
Niger-United Kingdom		218
Niger-United Republic of Tanzania		-
Niger-Zambia		-
Nigeria-Albania	75	
Nigeria-Algeria		287
Nigeria-Angola		494
Nigeria-Argentina		-
Nigeria-Azerbaijan	-	
Nigeria-Bahrain		101
Nigeria-Barbados		90
Nigeria-Belgium	38,364	
Nigeria-Benin	340	
Nigeria-Botswana	-	
Nigeria-Brazil		32,314*
Nigeria-Bulgaria	172	
Nigeria-Burkina Faso	1,808	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nigeria-Cabo Verde		70
Nigeria-Cameroon	2,826	
Nigeria-Central African Republic		-
Nigeria-Chad		2,213
Nigeria-China		244
Nigeria-Congo		343
Nigeria-Côte d'Ivoire	6,023	
Nigeria-Croatia	16	
Nigeria-Czechia	-	
Nigeria-Democratic Republic of the Congo	611	
Nigeria-Djibouti		183
Nigeria-Egypt		27,551
Nigeria-Equatorial Guinea	638	
Nigeria-Eritrea		179
Nigeria-Ethiopia		159,545
Nigeria-France	23,418	
Nigeria-Gabon	299	
Nigeria-Gambia		63
Nigeria-Georgia	-	
Nigeria-Germany	51,609	
Nigeria-Ghana	4,437	
Nigeria-Greece	82	
Nigeria-Guinea		191
Nigeria-Guinea-Bissau		102
Nigeria-India		6,119
Nigeria-Ireland	-	
Nigeria-Israel	48	
Nigeria-Italy	399	
Nigeria-Jordan		45*
Nigeria-Kenya	35,857	
Nigeria-Kuwait		-
Nigeria-Kyrgyzstan		-
Nigeria-Lebanon		51*
Nigeria-Liberia		748
Nigeria-Libya		60
Nigeria-Luxembourg	142	
Nigeria-Malawi		-
Nigeria-Mali		3,042
Nigeria-Malta	134	
Nigeria-Morocco		6,222
Nigeria-Netherlands	28,709	
Nigeria-Niger		120
Nigeria-Norway	-	
Nigeria-Pakistan		158
Nigeria-Portugal	235	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nigeria-Qatar	21*	
Nigeria-Russian Federation		279
Nigeria-Rwanda	8,266	
Nigeria-Sao Tome and Principe		19
Nigeria-Saudi Arabia	3,194	
Nigeria-Senegal		1,905
Nigeria-Serbia	-	
Nigeria-Sierra Leone		399
Nigeria-Somalia		81
Nigeria-South Africa		4,667
Nigeria-Spain	850	
Nigeria-Sri Lanka		-
Nigeria-Sudan		450
Nigeria-Sweden	75	
Nigeria-Switzerland	316	
Nigeria-Togo		5,378
Nigeria-Tunisia		34
Nigeria-Türkiye	65,304	
Nigeria-Uganda	6,984	
Nigeria-United Arab Emirates	24,066	
Nigeria-United Kingdom	134,547	
Nigeria-United States	95,239	
North Macedonia-Albania	56	
North Macedonia-Armenia	-	
North Macedonia-Austria	5,887	
North Macedonia-Belarus		-
North Macedonia-Belgium	1,817	
North Macedonia-Bosnia and Herzegovina	18	
North Macedonia-Bulgaria	433	
North Macedonia-China		347
North Macedonia-Croatia	1,052	
North Macedonia-Cyprus	8	
North Macedonia-Czechia	7	
North Macedonia-Denmark	1,630	
North Macedonia-Egypt		606*
North Macedonia-Estonia	27	
North Macedonia-Finland	1,026*	
North Macedonia-France	6,981	
North Macedonia-Georgia	11	
North Macedonia-Germany	19,397	
North Macedonia-Greece	323	
North Macedonia-Hungary	48	
North Macedonia-Iceland	-	
North Macedonia-Israel	14	
North Macedonia-Italy	2,999	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
North Macedonia-Kazakhstan	69	
North Macedonia-Latvia	-	
North Macedonia-Malta	9*	
North Macedonia-Netherlands	2,279	
North Macedonia-Norway	1,067	
North Macedonia-Poland	1,729	
North Macedonia-Portugal	73	
North Macedonia-Qatar	-	
North Macedonia-Republic of Moldova	9*	
North Macedonia-Romania	105	
North Macedonia-Russian Federation		1,147
North Macedonia-Saudi Arabia	47	
North Macedonia-Serbia	725	
North Macedonia-Slovakia	553*	
North Macedonia-Slovenia	21	
North Macedonia-Spain	718	
North Macedonia-Sweden	7,700	
North Macedonia-Switzerland	7,173	
North Macedonia-Tunisia		3
North Macedonia-Türkiye	8,483	
North Macedonia-Ukraine	23	
North Macedonia-United Kingdom	3,225	
North Macedonia-United States	53	
Norway-Afghanistan	284	
Norway-Albania	490	
Norway-Algeria		62
Norway-Austria	3,573	
Norway-Azerbaijan	7,377	
Norway-Bahamas		-
Norway-Belgium	3,616	
Norway-Bosnia and Herzegovina	66	
Norway-Bulgaria	580	
Norway-Cabo Verde		384
Norway-Canada	733	
Norway-China		503
Norway-Croatia	3,398	
Norway-Cyprus	1,050	
Norway-Czechia	1,108	
Norway-Denmark	35,767	
Norway-Egypt		117
Norway-Estonia	1,474	
Norway-Ethiopia		137
Norway-Finland	5,050	
Norway-France	15,903	
Norway-Georgia	618	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Norway-Germany	37,188	
Norway-Greece	7,875	
Norway-Hungary	1,732	
Norway-Iceland	4,419	
Norway-India		170
Norway-Iraq		41
Norway-Ireland	1,210	
Norway-Israel	15,239	
Norway-Italy	5,966	
Norway-Jordan		40
Norway-Kazakhstan	87	
Norway-Latvia	5,414	
Norway-Lithuania	9,106	
Norway-Luxembourg	126	
Norway-Maldives		-
Norway-Malta	138	
Norway-Netherlands	34,030	
Norway-North Macedonia	1,043	
Norway-Poland	42,290	
Norway-Portugal	3,481	
Norway-Qatar	37*	
Norway-Republic of Korea	69,320	
Norway-Romania	2,706	
Norway-Russian Federation		5,738
Norway-Saudi Arabia	29	
Norway-Serbia	4,534	
Norway-Singapore	54	
Norway-Slovakia	10	
Norway-Slovenia	29	
Norway-South Africa		186
Norway-Spain	69,109	
Norway-Sweden	18,322	
Norway-Switzerland	2,674	
Norway-Thailand	160	
Norway-Türkiye	24,663	
Norway-Ukraine	1,065	
Norway-United Arab Emirates	55,705	
Norway-United Kingdom	25,096	
Norway-United States	12,294	
Oman-Algeria		-
Oman-Austria		49
Oman-Azerbaijan		16
Oman-Bahrain		2,378
Oman-Bangladesh		22,859
Oman-Belgium		194

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Oman-Bulgaria		269
Oman-Cambodia		-
Oman-China		116*
Oman-Cyprus		246
Oman-Czechia		735
Oman-Djibouti		565*
Oman-Egypt		21,246
Oman-Ethiopia		4,388*
Oman-France		6,714
Oman-Gabon		-
Oman-Germany		19*
Oman-Ghana		-
Oman-Greece		27
Oman-Hungary		42
Oman-India		85,848
Oman-Indonesia		-
Oman-Iran (Islamic Republic of)		-
Oman-Iraq		21*
Oman-Ireland		633
Oman-Italy		-
Oman-Japan		-
Oman-Jordan		3,083
Oman-Kuwait		2,583
Oman-Kyrgyzstan		-
Oman-Lebanon		-
Oman-Lithuania		46
Oman-Malaysia		5,349
Oman-Maldives		251
Oman-Malta		102
Oman-Namibia		-
Oman-Nepal		26*
Oman-Netherlands		281
Oman-Nigeria		-
Oman-Pakistan		32,069
Oman-Philippines		819*
Oman-Poland		-
Oman-Qatar		18,768
Oman-Republic of Korea		147
Oman-Romania		17
Oman-Russian Federation		159
Oman-Saudi Arabia		21,797
Oman-Serbia		-
Oman-Seychelles		43
Oman-Singapore		164
Oman-Slovakia		608

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Oman-South Africa		45
Oman-Spain		101*
Oman-Sri Lanka		8,441
Oman-Switzerland		3,791
Oman-Syrian Arab Republic		1,752
Oman-Thailand		26,435
Oman-Tunisia		50
Oman-Türkiye		25,972
Oman-Ukraine		23
Oman-United Arab Emirates		18,973
Oman-United Kingdom		24,883
Oman-United Republic of Tanzania		-
Oman-Uzbekistan		88*
Oman-Viet Nam		6,654
Oman-Zambia		-
Pakistan-Afghanistan		4,395
Pakistan-Armenia		-
Pakistan-Australia		-
Pakistan-Azerbaijan		1,155
Pakistan-Bahrain		56,158
Pakistan-Bangladesh		153
Pakistan-Cambodia		-
Pakistan-Canada		52,648
Pakistan-Central African Republic		842
Pakistan-China		44,520
Pakistan-Democratic Republic of the Congo		2,228
Pakistan-Egypt		228
Pakistan-Ethiopia		283
Pakistan-France		4,699
Pakistan-Georgia		2,776
Pakistan-Germany		225
Pakistan-Greece		705
Pakistan-India		90
Pakistan-Indonesia		450
Pakistan-Iran (Islamic Republic of)		878
Pakistan-Iraq		4,637
Pakistan-Italy		279
Pakistan-Japan		33
Pakistan-Jordan		827
Pakistan-Kazakhstan		142
Pakistan-Kenya		1,956
Pakistan-Kuwait		18,696
Pakistan-Kyrgyzstan		2,725
Pakistan-Lithuania		55
Pakistan-Malaysia		6,237

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Pakistan-Maldives		181
Pakistan-Myanmar		35
Pakistan-Nepal		65*
Pakistan-Oman		32,436
Pakistan-Philippines		53
Pakistan-Poland		-
Pakistan-Qatar		162,995
Pakistan-Republic of Korea		141
Pakistan-Romania		322
Pakistan-Russian Federation		306
Pakistan-Saudi Arabia		215,785
Pakistan-Seychelles		47
Pakistan-South Africa		194
Pakistan-Spain		168
Pakistan-Sri Lanka		14,382
Pakistan-Sudan		48
Pakistan-Sweden		655
Pakistan-Syrian Arab Republic		1,466
Pakistan-Tajikistan		254
Pakistan-Thailand		929
Pakistan-Türkiye		124,113
Pakistan-United Arab Emirates		380,839
Pakistan-United Kingdom		125,659
Pakistan-Uzbekistan		692
Pakistan-Viet Nam		141*
Pakistan-Zimbabwe		169
Palau-Australia		112
Palau-China		3,273
Palau-Japan		39
Palau-Micronesia (Federated States of)		581
Palau-Philippines		82
Palau-Republic of Korea		75
Palau-United States		649
Panama-Antigua and Barbuda		22
Panama-Argentina		21,888
Panama-Bahamas		1,515
Panama-Barbados		75
Panama-Belgium		336*
Panama-Belize		495
Panama-Bolivia (Plurinational State of)		18,003
Panama-Brazil		104,589
Panama-Canada		16,781
Panama-Chile		37,392
Panama-Colombia		44,344
Panama-Costa Rica		24,520

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Panama-Cuba		5,597
Panama-Dominican Republic		33,176
Panama-Ecuador		40,915
Panama-El Salvador		10,141
Panama-France		24,112*
Panama-Grenada		5
Panama-Guatemala		12,807
Panama-Guyana		3,712
Panama-Honduras		6,535
Panama-Ireland		236
Panama-Israel		172
Panama-Jamaica		2,048
Panama-Luxembourg		-
Panama-Mexico		89,187
Panama-Netherlands		122,460
Panama-Nicaragua		4,965
Panama-Paraguay		27,336
Panama-Peru		38,839
Panama-Portugal		20
Panama-Saint Kitts and Nevis		8
Panama-Spain		45,110
Panama-Trinidad and Tobago		1,678
Panama-Türkiye		47,820
Panama-United Kingdom		59
Panama-United States		291,200
Panama-Uruguay		27,882
Panama-Venezuela (Bolivarian Republic of)		10,008
Papua New Guinea-Australia	6,108	
Papua New Guinea-China		4,954
Papua New Guinea-Indonesia	564	
Papua New Guinea-Malaysia	49	
Papua New Guinea-Nauru		54
Papua New Guinea-New Zealand	281	
Papua New Guinea-Philippines	1,156	
Papua New Guinea-Singapore	803	
Papua New Guinea-Solomon Islands		31
Papua New Guinea-United States	375	
Paraguay-Argentina		1,995
Paraguay-Bolivia (Plurinational State of)		45
Paraguay-Brazil		4,544
Paraguay-Chile		5,849
Paraguay-Colombia		138
Paraguay-Dominican Republic		58
Paraguay-Ecuador		208
Paraguay-Netherlands		26

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Paraguay-Panama		27,153
Paraguay-Peru		2,713
Paraguay-Spain		22,573
Paraguay-United States		7,967
Paraguay-Uruguay		328
Paraguay-Venezuela (Bolivarian Republic of)		85
Peru-Argentina		12,640
Peru-Bahamas		29
Peru-Bolivia (Plurinational State of)		3,841
Peru-Brazil		11,967
Peru-Canada		34,838
Peru-Chile		54,503
Peru-Colombia		14,039
Peru-Costa Rica		53
Peru-Dominican Republic		10,142
Peru-Ecuador		13,970
Peru-El Salvador		68
Peru-France		25,551
Peru-Ghana		-
Peru-Italy		212
Peru-Mexico		48,041
Peru-Netherlands		106,256
Peru-Panama		37,517
Peru-Paraguay		2,438
Peru-Russian Federation		-
Peru-Senegal		159
Peru-Spain		130,202
Peru-Switzerland		-
Peru-Trinidad and Tobago		34
Peru-United Kingdom		507
Peru-United States		402,704
Peru-Uruguay		2,531
Peru-Venezuela (Bolivarian Republic of)		83
Philippines-Australia	24,469	
Philippines-Azerbaijan	1,034	
Philippines-Bahrain		53,785
Philippines-Bangladesh		65*
Philippines-Belgium	531	
Philippines-Brunei Darussalam		1,132
Philippines-Cambodia		1,974*
Philippines-Canada	45,760	
Philippines-China		241,192
Philippines-Cyprus	-	
Philippines-Ethiopia		164
Philippines-Finland	55	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Philippines-France	15,491	
Philippines-Germany	1,653	
Philippines-India		3,761
Philippines-Indonesia	9,257	
Philippines-Italy	61	
Philippines-Japan	129,245	
Philippines-Kazakhstan	84	
Philippines-Kuwait		22,929
Philippines-Malaysia	15,128	
Philippines-Myanmar		842
Philippines-Oman		940*
Philippines-Pakistan		49
Philippines-Palau		87
Philippines-Papua New Guinea	1,155	
Philippines-Poland	640	
Philippines-Qatar	24,851*	
Philippines-Republic of Korea	71,029	
Philippines-Russian Federation		2,518
Philippines-Saudi Arabia	63,882*	
Philippines-Singapore	90,717	
Philippines-Spain	1,212	
Philippines-Sri Lanka		131
Philippines-Thailand	38,538	
Philippines-Timor-Leste		25
Philippines-Türkiye	84,216	
Philippines-United Arab Emirates	253,718	
Philippines-United Kingdom	3,131	
Philippines-United States	240,137	
Philippines-Viet Nam		12,471
Poland-Afghanistan	605	
Poland-Albania	46*	
Poland-Antigua and Barbuda		-
Poland-Armenia	-	
Poland-Austria	6,839	
Poland-Bahrain		12
Poland-Belarus		-
Poland-Belgium	19,768	
Poland-Benin	-	
Poland-Bosnia and Herzegovina	73	
Poland-Bulgaria	19,451	
Poland-Cabo Verde		33*
Poland-Canada	-	
Poland-Chad		-
Poland-China		3,984*
Poland-Croatia	10,626	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Poland-Cuba		692*
Poland-Cyprus	17,618	
Poland-Czechia	3,907	
Poland-Denmark	13,434	
Poland-Dominican Republic	2,898*	
Poland-Egypt		61,817
Poland-Estonia	6,867	
Poland-Ethiopia		-
Poland-Finland	4,488	
Poland-France	46,109	
Poland-Georgia	13,400	
Poland-Germany	102,780	
Poland-Ghana	-	
Poland-Greece	87,210	
Poland-Grenada		-
Poland-Hungary	4,584	
Poland-Iceland	11,737	
Poland-India		-
Poland-Ireland	36,356	
Poland-Israel	11,382	
Poland-Italy	63,403	
Poland-Japan	51*	
Poland-Jordan		3,103
Poland-Kazakhstan	2,142	
Poland-Kenya	-	
Poland-Kuwait		138
Poland-Latvia	1,991	
Poland-Lebanon		142*
Poland-Lithuania	5,416	
Poland-Luxembourg	1,313	
Poland-Malaysia	180	
Poland-Maldives		5,870
Poland-Malta	9,808	
Poland-Mauritius		48
Poland-Mexico	-	
Poland-Montenegro	3,393	
Poland-Morocco		826
Poland-Netherlands	46,377	
Poland-Niger		-
Poland-North Macedonia	-	
Poland-Norway	45,798	
Poland-Oman		-
Poland-Pakistan		114*
Poland-Peru		-
Poland-Portugal	29,409	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Poland-Qatar	19,107	
Poland-Republic of Korea	-	
Poland-Republic of Moldova	53*	
Poland-Romania	6,407	
Poland-Russian Federation		10,450
Poland-Saudi Arabia	167*	
Poland-Serbia	1,656	
Poland-Seychelles		80*
Poland-Slovakia	206	
Poland-Slovenia	21*	
Poland-Spain	122,148	
Poland-Sri Lanka		-
Poland-Sweden	24,776	
Poland-Switzerland	15,840	
Poland-Tajikistan		-
Poland-Thailand	311	
Poland-Tunisia		3,977
Poland-Türkiye	74,717	
Poland-Ukraine	45,217	
Poland-United Arab Emirates	43,066	
Poland-United Kingdom	161,402	
Poland-United Republic of Tanzania	6,325	
Poland-United States	138,847	
Poland-Uzbekistan		40*
Poland-Viet Nam		-
Poland-Zimbabwe		170
Portugal-Afghanistan	131	
Portugal-Algeria		63
Portugal-Angola		35,433
Portugal-Antigua and Barbuda		143
Portugal-Argentina		670
Portugal-Austria	18,337	
Portugal-Bahamas		302
Portugal-Bahrain		31
Portugal-Bangladesh		144
Portugal-Barbados		55
Portugal-Belgium	67,353	
Portugal-Bosnia and Herzegovina	48	
Portugal-Brazil		330,042
Portugal-Bulgaria	1,230	
Portugal-Burkina Faso	19	
Portugal-Cabo Verde		33,137
Portugal-Cambodia		248
Portugal-Cameroon	15	
Portugal-Canada	48,331	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Portugal-Central African Republic		462
Portugal-Chile		235
Portugal-China		14,761
Portugal-Colombia		1,401
Portugal-Costa Rica	30	
Portugal-Côte d'Ivoire	1,804	
Portugal-Croatia	1,415	
Portugal-Cuba		406
Portugal-Cyprus	155	
Portugal-Czechia	8,341	
Portugal-Denmark	15,969	
Portugal-Dominican Republic	3,192	
Portugal-Ecuador		972
Portugal-Egypt		162
Portugal-Equatorial Guinea	-	
Portugal-Estonia	-	
Portugal-Ethiopia		95
Portugal-Finland	5,621	
Portugal-France	231,449	
Portugal-Gambia		838
Portugal-Germany	194,730	
Portugal-Ghana	5,532	
Portugal-Greece	3,438	
Portugal-Guinea		3,114
Portugal-Guinea-Bissau		8,872
Portugal-Haiti		179
Portugal-Hungary	7,303	
Portugal-Iceland	457	
Portugal-India		3,518
Portugal-Ireland	37,472	
Portugal-Israel	3,767	
Portugal-Italy	67,690	
Portugal-Jamaica	31	
Portugal-Jordan		173
Portugal-Kazakhstan	765	
Portugal-Kuwait		42
Portugal-Latvia	2,202	
Portugal-Lithuania	2,498	
Portugal-Luxembourg	34,873	
Portugal-Malaysia	4,329	
Portugal-Maldives		872
Portugal-Malta	3,240	
Portugal-Mexico	20,306	
Portugal-Montenegro	16	
Portugal-Morocco		6,049

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Portugal-Mozambique		21,376
Portugal-Netherlands	92,426	
Portugal-North Macedonia	24	
Portugal-Norway	3,444	
Portugal-Pakistan		388
Portugal-Poland	26,841	
Portugal-Qatar	24*	
Portugal-Republic of Korea	1,191	
Portugal-Republic of Moldova	163*	
Portugal-Romania	4,610	
Portugal-Russian Federation		4,223
Portugal-Saint Kitts and Nevis		15
Portugal-Saint Vincent and the Grenadines		86*
Portugal-Sao Tome and Principe		665
Portugal-Saudi Arabia	142	
Portugal-Senegal		9,801
Portugal-Serbia	70*	
Portugal-Sierra Leone		38
Portugal-Slovakia	41	
Portugal-Slovenia	121	
Portugal-South Africa		189*
Portugal-Spain	88,748	
Portugal-Sri Lanka		195
Portugal-Sudan		50
Portugal-Suriname		284
Portugal-Sweden	11,975	
Portugal-Switzerland	83,032	
Portugal-Tajikistan		126
Portugal-Tunisia		460
Portugal-Türkiye	20,492	
Portugal-Ukraine	2,575	
Portugal-United Arab Emirates	47,497	
Portugal-United Kingdom	235,083	
Portugal-United States	195,325	
Portugal-Venezuela (Bolivarian Republic of)		9,238
Portugal-Viet Nam		1,052
Qatar-Afghanistan	3,214	
Qatar-Albania	136	
Qatar-Algeria		-
Qatar-Angola		-
Qatar-Argentina		-
Qatar-Armenia	-	
Qatar-Australia	-	
Qatar-Austria	43*	
Qatar-Azerbaijan	399*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Qatar-Bahrain		93
Qatar-Bangladesh		152,027
Qatar-Belarus		28*
Qatar-Belgium	131,149	
Qatar-Benin	-	
Qatar-Brazil		-
Qatar-Brunei Darussalam		-
Qatar-Bulgaria	12,868*	
Qatar-Burkina Faso	-	
Qatar-Burundi		-
Qatar-Cambodia		-
Qatar-Cameroon	-	
Qatar-Canada	46,228*	
Qatar-Chad		-
Qatar-China		115*
Qatar-Congo		-
Qatar-Croatia	-	
Qatar-Cyprus	8,162	
Qatar-Czechia	29*	
Qatar-Democratic Republic of the Congo	58*	
Qatar-Denmark	-	
Qatar-Djibouti		81*
Qatar-Egypt		67,916
Qatar-Estonia	-	
Qatar-Ethiopia		8,044*
Qatar-Finland	-	
Qatar-France	199,337	
Qatar-Gabon	-	
Qatar-Georgia	8,077	
Qatar-Germany	235,815	
Qatar-Ghana	-	
Qatar-Greece	26,999	
Qatar-Hungary	-	
Qatar-India		444,626
Qatar-Indonesia	107,537	
Qatar-Iran (Islamic Republic of)		38,232
Qatar-Iraq		38,683
Qatar-Ireland	26,578	
Qatar-Italy	163,835	
Qatar-Japan	-	
Qatar-Jordan		51,856
Qatar-Kazakhstan	33*	
Qatar-Kenya	-	
Qatar-Kuwait		41,469
Qatar-Kyrgyzstan		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Qatar-Latvia	-	
Qatar-Lebanon		63,057
Qatar-Libya		-
Qatar-Luxembourg	-	
Qatar-Madagascar	-	
Qatar-Malaysia	191*	
Qatar-Maldives		35*
Qatar-Malta	20*	
Qatar-Mauritius		30*
Qatar-Mexico	-	
Qatar-Mongolia		-
Qatar-Montenegro	-	
Qatar-Morocco		48,009
Qatar-Mozambique		-
Qatar-Myanmar		-
Qatar-Nepal		64,916
Qatar-Netherlands	112*	
Qatar-Nigeria	34*	
Qatar-North Macedonia	-	
Qatar-Norway	40*	
Qatar-Oman		20,025
Qatar-Pakistan		141,029
Qatar-Philippines	257,797	
Qatar-Poland	-	
Qatar-Portugal	131*	
Qatar-Republic of Korea	273*	
Qatar-Romania	492*	
Qatar-Russian Federation		27,773
Qatar-Rwanda	-	
Qatar-Saudi Arabia	61,377	
Qatar-Senegal		-
Qatar-Serbia	65*	
Qatar-Seychelles		-
Qatar-Singapore	-	
Qatar-Somalia		-
Qatar-South Africa		-
Qatar-South Sudan		-
Qatar-Spain	37*	
Qatar-Sri Lanka		17,367*
Qatar-Sudan		225*
Qatar-Sweden	-	
Qatar-Switzerland	40,295	
Qatar-Syrian Arab Republic		1,817
Qatar-Tajikistan		-
Qatar-Thailand	199,244	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Qatar-Tunisia		28,004
Qatar-Türkiye	133,770	
Qatar-Uganda	27,114	
Qatar-Ukraine	226*	
Qatar-United Arab Emirates	27,932	
Qatar-United Kingdom	454,048	
Qatar-United Republic of Tanzania	-	
Qatar-United States	1,486*	
Qatar-Uzbekistan		-
Qatar-Viet Nam		7,127*
Qatar-Zambia	-	
Qatar-Zimbabwe		-
Republic of Korea-Australia	14,249*	
Republic of Korea-Austria	123,481	
Republic of Korea-Azerbaijan	57,699	
Republic of Korea-Bangladesh		1,129*
Republic of Korea-Belgium	2,543	
Republic of Korea-Cambodia		24,541
Republic of Korea-Canada	370,788	
Republic of Korea-China		1,396,875
Republic of Korea-Czechia	-	
Republic of Korea-Denmark	883	
Republic of Korea-Egypt		-
Republic of Korea-Eritrea		181
Republic of Korea-Ethiopia		27,895
Republic of Korea-Finland	47,489	
Republic of Korea-France	123,192*	
Republic of Korea-Germany	845,722	
Republic of Korea-Hungary	-	
Republic of Korea-India		64,546
Republic of Korea-Indonesia	124,732	
Republic of Korea-Iran (Islamic Republic of)		-
Republic of Korea-Israel	903	
Republic of Korea-Italy	2,184*	
Republic of Korea-Japan	157,704	
Republic of Korea-Kazakhstan	16,392	
Republic of Korea-Kyrgyzstan		159
Republic of Korea-Lao People's Democratic Republic		727
Republic of Korea-Lebanon		223
Republic of Korea-Lesotho		9
Republic of Korea-Malaysia	120,986	
Republic of Korea-Maldives		38*
Republic of Korea-Malta	-	
Republic of Korea-Mexico	41,478	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Republic of Korea-Micronesia (Federated States of)		109
Republic of Korea-Mongolia		9,451
Republic of Korea-Myanmar		6,050*
Republic of Korea-Nepal		2,602
Republic of Korea-Netherlands	134,522	
Republic of Korea-New Zealand	16,797	
Republic of Korea-Norway	55	
Republic of Korea-Palau		76
Republic of Korea-Philippines	91,480	
Republic of Korea-Poland	-	
Republic of Korea-Qatar	-	
Republic of Korea-Romania	175	
Republic of Korea-Russian Federation		293,858
Republic of Korea-Saudi Arabia	-	
Republic of Korea-Singapore	181,736	
Republic of Korea-Spain	-	
Republic of Korea-Sri Lanka		7,111
Republic of Korea-Sudan		189
Republic of Korea-Sweden	41	
Republic of Korea-Thailand	160,180	
Republic of Korea-Türkiye	94,711	
Republic of Korea-Ukraine	206	
Republic of Korea-United Arab Emirates	168,224	
Republic of Korea-United Kingdom	102,363	
Republic of Korea-United States	3,620,715	
Republic of Korea-Uzbekistan		42,106
Republic of Korea-Venezuela (Bolivarian Republic of)		203
Republic of Korea-Viet Nam		391,462
Republic of Moldova-Afghanistan	-	
Republic of Moldova-Albania	105	
Republic of Moldova-Armenia	78	
Republic of Moldova-Austria	2,406	
Republic of Moldova-Azerbaijan	21	
Republic of Moldova-Belarus		-
Republic of Moldova-Belgium	2,014	
Republic of Moldova-Bosnia and Herzegovina	-	
Republic of Moldova-Bulgaria	65	
Republic of Moldova-Croatia	42	
Republic of Moldova-Cyprus	121	
Republic of Moldova-Czechia	429	
Republic of Moldova-Denmark	20*	
Republic of Moldova-Egypt		8,305
Republic of Moldova-Estonia	10	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Republic of Moldova-France	6,976	
Republic of Moldova-Germany	10,293	
Republic of Moldova-Greece	702	
Republic of Moldova-Hungary	43	
Republic of Moldova-Ireland	-	
Republic of Moldova-Israel	4,018	
Republic of Moldova-Italy	14,585	
Republic of Moldova-Jordan		-
Republic of Moldova-Kazakhstan	17	
Republic of Moldova-Lithuania	55	
Republic of Moldova-Montenegro	-	
Republic of Moldova-Netherlands	884	
Republic of Moldova-North Macedonia	-	
Republic of Moldova-Poland	1,236	
Republic of Moldova-Portugal	-	
Republic of Moldova-Romania	1,250	
Republic of Moldova-Russian Federation		20,645
Republic of Moldova-Serbia	29	
Republic of Moldova-Spain	1,683	
Republic of Moldova-Sweden	-	
Republic of Moldova-Switzerland	39	
Republic of Moldova-Türkiye	17,406	
Republic of Moldova-Ukraine	725	
Republic of Moldova-United Kingdom	15,910	
Romania-Afghanistan	826	
Romania-Albania	154	
Romania-Armenia	67	
Romania-Austria	13,062	
Romania-Azerbaijan	21	
Romania-Bahrain		137
Romania-Belgium	27,260	
Romania-Bosnia and Herzegovina	66	
Romania-Bulgaria	4,197	
Romania-Cabo Verde		52
Romania-Canada	172	
Romania-China		272
Romania-Croatia	605	
Romania-Cyprus	5,774	
Romania-Czechia	2,384	
Romania-Denmark	7,605	
Romania-Dominican Republic	56	
Romania-Egypt		27,809
Romania-Estonia	25	
Romania-Finland	1,470	
Romania-France	51,264	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Romania-Georgia	56	
Romania-Germany	87,068	
Romania-Greece	21,090	
Romania-Hungary	2,360	
Romania-Iceland	354	
Romania-India		23
Romania-Iraq		-
Romania-Ireland	15,744	
Romania-Israel	9,440	
Romania-Italy	100,280	
Romania-Jordan		2,302
Romania-Kazakhstan	186	
Romania-Kenya	566	
Romania-Kuwait		219
Romania-Latvia	4*	
Romania-Lebanon		1,268
Romania-Lithuania	101	
Romania-Luxembourg	1,034	
Romania-Malta	1,179	
Romania-Montenegro	34	
Romania-Morocco		229
Romania-Netherlands	34,716	
Romania-North Macedonia	125	
Romania-Norway	2,969	
Romania-Poland	5,350	
Romania-Portugal	5,227	
Romania-Qatar	509*	
Romania-Republic of Moldova	1,181	
Romania-Russian Federation		1,863
Romania-Saudi Arabia	306	
Romania-Serbia	577	
Romania-Slovakia	83	
Romania-Slovenia	158	
Romania-South Africa		35
Romania-Spain	85,008	
Romania-Sweden	5,934	
Romania-Switzerland	6,638	
Romania-Tunisia		582
Romania-Türkiye	28,645	
Romania-Ukraine	499	
Romania-United Arab Emirates	19,011	
Romania-United Kingdom	130,394	
Romania-United Republic of Tanzania	163	
Romania-United States	1,613	
Romania-Viet Nam		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Russian Federation-Afghanistan		-
Russian Federation-Albania		1,286
Russian Federation-Algeria		1,032
Russian Federation-Angola		48
Russian Federation-Antigua and Barbuda		141
Russian Federation-Argentina		4,635
Russian Federation-Armenia		103,903
Russian Federation-Australia		400
Russian Federation-Austria		43,313
Russian Federation-Azerbaijan		54,937
Russian Federation-Bahamas		54
Russian Federation-Bahrain		1,735
Russian Federation-Bangladesh		8,632
Russian Federation-Belarus		28,782
Russian Federation-Belgium		145,505
Russian Federation-Bosnia and Herzegovina		181
Russian Federation-Bulgaria		15,991
Russian Federation-Cabo Verde		137
Russian Federation-Cambodia		361
Russian Federation-Canada		19,176
Russian Federation-China		699,345
Russian Federation-Congo		33
Russian Federation-Croatia		19,580
Russian Federation-Cuba		83,960
Russian Federation-Cyprus		82,904
Russian Federation-Czechia		13,862
Russian Federation-Democratic Republic of the Congo		156
Russian Federation-Denmark		2,370
Russian Federation-Dominican Republic		42,601
Russian Federation-Egypt		103,839
Russian Federation-Equatorial Guinea		48
Russian Federation-Estonia		753
Russian Federation-Ethiopia		1,030
Russian Federation-Finland		7,758
Russian Federation-France		50,717
Russian Federation-Gabon		43
Russian Federation-Georgia		278
Russian Federation-Germany		240,305
Russian Federation-Ghana		64
Russian Federation-Greece		53,968
Russian Federation-Guinea		76
Russian Federation-Hungary		24,287
Russian Federation-Iceland		2,749
Russian Federation-India		21,323

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Russian Federation-Indonesia		585
Russian Federation-Iran (Islamic Republic of)		5,935
Russian Federation-Iraq		725
Russian Federation-Ireland		1,693
Russian Federation-Israel		19,565
Russian Federation-Italy		115,789
Russian Federation-Japan		103,625
Russian Federation-Jordan		848
Russian Federation-Kazakhstan		49,826
Russian Federation-Kenya		357
Russian Federation-Kuwait		139
Russian Federation-Kyrgyzstan		187,116
Russian Federation-Lao People's Democratic Republic		153
Russian Federation-Latvia		14,977
Russian Federation-Lebanon		1,746
Russian Federation-Lithuania		747
Russian Federation-Luxembourg		175,946
Russian Federation-Malaysia		1,084
Russian Federation-Maldives		99,170
Russian Federation-Malta		384
Russian Federation-Mexico		41,301
Russian Federation-Mongolia		4,078
Russian Federation-Montenegro		765
Russian Federation-Morocco		4,186
Russian Federation-Myanmar		121
Russian Federation-Namibia		212
Russian Federation-Nepal		472
Russian Federation-Netherlands		104,702
Russian Federation-New Zealand		-
Russian Federation-Nigeria		130
Russian Federation-North Macedonia		1,146
Russian Federation-Norway		3,117
Russian Federation-Oman		103
Russian Federation-Pakistan		222
Russian Federation-Panama		413
Russian Federation-Philippines		783
Russian Federation-Poland		10,613
Russian Federation-Portugal		3,879
Russian Federation-Qatar		25,642
Russian Federation-Republic of Korea		68,635
Russian Federation-Republic of Moldova		20,693
Russian Federation-Romania		1,870
Russian Federation-Rwanda		622
Russian Federation-Saudi Arabia		1,083

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Russian Federation-Senegal		102
Russian Federation-Serbia		23,079
Russian Federation-Seychelles		22,982
Russian Federation-Singapore		88,077
Russian Federation-Slovakia		487
Russian Federation-Slovenia		2,891
Russian Federation-South Africa		204
Russian Federation-Spain		65,081
Russian Federation-Sri Lanka		6,245
Russian Federation-Sweden		4,462
Russian Federation-Switzerland		28,142
Russian Federation-Syrian Arab Republic		416
Russian Federation-Tajikistan		97,163
Russian Federation-Thailand		41,792
Russian Federation-Tunisia		6,720*
Russian Federation-Türkiye		588,181
Russian Federation-Turkmenistan		1,246
Russian Federation-Uganda		37*
Russian Federation-Ukraine		20
Russian Federation-United Arab Emirates		220,194
Russian Federation-United Kingdom		88,425
Russian Federation-United Republic of Tanzania		20,999
Russian Federation-United States		261,585
Russian Federation-Uzbekistan		231,683
Russian Federation-Venezuela (Bolivarian Republic of)		9,104
Russian Federation-Viet Nam		20,457
Russian Federation-Zambia		49
Rwanda-Algeria		-
Rwanda-Angola		-
Rwanda-Belgium	141*	
Rwanda-Benin	12*	
Rwanda-Botswana	15*	
Rwanda-Burkina Faso	19	
Rwanda-Burundi		1,914
Rwanda-Cameroon	-	
Rwanda-Central African Republic		-
Rwanda-China		-
Rwanda-Congo		-
Rwanda-Cyprus	18	
Rwanda-Democratic Republic of the Congo	2*	
Rwanda-Djibouti		14
Rwanda-Egypt		14*
Rwanda-Ethiopia		5,034
Rwanda-France	167	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Rwanda-Gabon	-	
Rwanda-Ghana	-	
Rwanda-Greece	94	
Rwanda-India		-
Rwanda-Israel	40*	
Rwanda-Jordan		-
Rwanda-Kenya	6,536	
Rwanda-Lithuania	-	
Rwanda-Madagascar	105	
Rwanda-Maldives		72
Rwanda-Mali		21
Rwanda-Malta	41	
Rwanda-Mauritius		19
Rwanda-Morocco		20
Rwanda-Mozambique		1,649
Rwanda-Netherlands	25*	
Rwanda-Niger		36
Rwanda-Nigeria	8,507	
Rwanda-Oman		-
Rwanda-Qatar	-	
Rwanda-Russian Federation		-
Rwanda-Senegal		34
Rwanda-South Africa		2,684
Rwanda-South Sudan		-
Rwanda-Spain	312	
Rwanda-Sudan		-
Rwanda-Switzerland	25*	
Rwanda-Togo		13
Rwanda-Tunisia		-
Rwanda-Türkiye	605	
Rwanda-Uganda	11,219	
Rwanda-Ukraine	47	
Rwanda-United Arab Emirates	16,344	
Rwanda-United Kingdom	39*	
Rwanda-United Republic of Tanzania	-	
Rwanda-Zambia	13*	
Rwanda-Zimbabwe		8*
Saint Kitts and Nevis-Antigua and Barbuda		262
Saint Kitts and Nevis-Bahamas		15
Saint Kitts and Nevis-Barbados		8
Saint Kitts and Nevis-Canada		165
Saint Kitts and Nevis-Dominican Republic		14
Saint Kitts and Nevis-France		35
Saint Kitts and Nevis-Grenada		8
Saint Kitts and Nevis-Jamaica		17

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saint Kitts and Nevis-Netherlands		22
Saint Kitts and Nevis-Panama		8
Saint Kitts and Nevis-Saint Lucia		2
Saint Kitts and Nevis-Trinidad and Tobago		51
Saint Kitts and Nevis-United Kingdom		37
Saint Kitts and Nevis-United States		7,752
Saint Lucia-Antigua and Barbuda		29
Saint Lucia-Barbados		2
Saint Lucia-Canada		1,818
Saint Lucia-Costa Rica		21
Saint Lucia-Dominican Republic		35
Saint Lucia-France		108
Saint Lucia-Grenada		61
Saint Lucia-Guatemala		20
Saint Lucia-Guyana		3
Saint Lucia-Haiti		3
Saint Lucia-Mexico		10
Saint Lucia-Netherlands		36
Saint Lucia-Poland		-
Saint Lucia-Saint Kitts and Nevis		10
Saint Lucia-Saint Vincent and the Grenadines		28
Saint Lucia-Trinidad and Tobago		85
Saint Lucia-United Kingdom		29,812
Saint Lucia-United States		51,902
Saint Vincent and the Grenadines-Antigua and Barbuda		18
Saint Vincent and the Grenadines-Bahamas		71
Saint Vincent and the Grenadines-Barbados		326
Saint Vincent and the Grenadines-Bulgaria		48
Saint Vincent and the Grenadines-Canada		319
Saint Vincent and the Grenadines-Dominica		2
Saint Vincent and the Grenadines-Dominican Republic		81
Saint Vincent and the Grenadines-Ecuador		5*
Saint Vincent and the Grenadines-France		250
Saint Vincent and the Grenadines-Germany		90
Saint Vincent and the Grenadines-Grenada		80
Saint Vincent and the Grenadines-Ireland		56
Saint Vincent and the Grenadines-Jamaica		34
Saint Vincent and the Grenadines-Mexico		15
Saint Vincent and the Grenadines-Netherlands		60
Saint Vincent and the Grenadines-Norway		38
Saint Vincent and the Grenadines-Panama		16
Saint Vincent and the Grenadines-Portugal		101

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saint Vincent and the Grenadines-Russian Federation		51*
Saint Vincent and the Grenadines-Saint Lucia		6
Saint Vincent and the Grenadines-South Africa		59
Saint Vincent and the Grenadines-Spain		34
Saint Vincent and the Grenadines-Sweden		45
Saint Vincent and the Grenadines-Switzerland		117
Saint Vincent and the Grenadines-Trinidad and Tobago		228
Saint Vincent and the Grenadines-United Kingdom		574
Saint Vincent and the Grenadines-United States		5,133
Samoa-Australia		-
Samoa-Fiji		-
Samoa-France		50
Samoa-New Zealand		-
Sao Tome and Principe-Algeria		11
Sao Tome and Principe-Angola		750
Sao Tome and Principe-Benin		3
Sao Tome and Principe-Cabo Verde		44
Sao Tome and Principe-Ethiopia		34
Sao Tome and Principe-Germany		137
Sao Tome and Principe-Ghana		1,393
Sao Tome and Principe-Portugal		623
Sao Tome and Principe-South Africa		44
Saudi Arabia-Afghanistan	4,774	
Saudi Arabia-Albania	-	
Saudi Arabia-Algeria		256*
Saudi Arabia-Armenia	12*	
Saudi Arabia-Australia	-	
Saudi Arabia-Austria	4,545	
Saudi Arabia-Azerbaijan	1,366	
Saudi Arabia-Bahrain		45,177
Saudi Arabia-Bangladesh		267,088
Saudi Arabia-Belarus		32
Saudi Arabia-Belgium	60,516	
Saudi Arabia-Bosnia and Herzegovina	87*	
Saudi Arabia-Brazil		-
Saudi Arabia-Bulgaria	2,237*	
Saudi Arabia-Cabo Verde		277
Saudi Arabia-Central African Republic		347
Saudi Arabia-Chad		107*
Saudi Arabia-China		118,227
Saudi Arabia-Comoros		-
Saudi Arabia-Congo		-
Saudi Arabia-Croatia	26	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saudi Arabia-Cyprus	757	
Saudi Arabia-Czechia	38*	
Saudi Arabia-Denmark	706	
Saudi Arabia-Djibouti		-
Saudi Arabia-Egypt		297,897
Saudi Arabia-Eritrea		24*
Saudi Arabia-Ethiopia		31,702*
Saudi Arabia-France	43,483	
Saudi Arabia-Georgia	12,220	
Saudi Arabia-Germany	66,487	
Saudi Arabia-Ghana	1,383	
Saudi Arabia-Greece	5,439	
Saudi Arabia-Guinea		20*
Saudi Arabia-Iceland	146	
Saudi Arabia-India		126,216
Saudi Arabia-Indonesia	28,856	
Saudi Arabia-Iran (Islamic Republic of)		-
Saudi Arabia-Iraq		5,951
Saudi Arabia-Ireland	593	
Saudi Arabia-Italy	13,525	
Saudi Arabia-Jordan		47,449
Saudi Arabia-Kazakhstan	561	
Saudi Arabia-Kenya	36,453	
Saudi Arabia-Kuwait		30,500
Saudi Arabia-Kyrgyzstan		455
Saudi Arabia-Lebanon		23,276
Saudi Arabia-Libya		74*
Saudi Arabia-Lithuania	44	
Saudi Arabia-Malaysia	49,842	
Saudi Arabia-Maldives		13,956
Saudi Arabia-Malta	872	
Saudi Arabia-Mauritius		-
Saudi Arabia-Montenegro	119	
Saudi Arabia-Morocco		35,997
Saudi Arabia-Mozambique		43
Saudi Arabia-Myanmar		105
Saudi Arabia-Nepal		-
Saudi Arabia-Netherlands	67,777	
Saudi Arabia-Niger		25
Saudi Arabia-Nigeria	5,196	
Saudi Arabia-North Macedonia	-	
Saudi Arabia-Oman		20,321
Saudi Arabia-Pakistan		205,235
Saudi Arabia-Philippines	61,900*	
Saudi Arabia-Poland	66*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saudi Arabia-Portugal	199	
Saudi Arabia-Qatar	53,134	
Saudi Arabia-Republic of Korea	232*	
Saudi Arabia-Romania	59	
Saudi Arabia-Russian Federation		900
Saudi Arabia-Senegal		-
Saudi Arabia-Serbia	543	
Saudi Arabia-Seychelles		130
Saudi Arabia-Singapore	-	
Saudi Arabia-Slovakia	13	
Saudi Arabia-South Africa		610
Saudi Arabia-Spain	20,929	
Saudi Arabia-Sri Lanka		24,258
Saudi Arabia-Sudan		56,328
Saudi Arabia-Sweden	142	
Saudi Arabia-Switzerland	12,388	
Saudi Arabia-Thailand	728	
Saudi Arabia-Togo		19
Saudi Arabia-Tunisia		115*
Saudi Arabia-Türkiye	21,640	
Saudi Arabia-Turkmenistan		-
Saudi Arabia-Uganda	37*	
Saudi Arabia-Ukraine	12,384	
Saudi Arabia-United Arab Emirates	210,188	
Saudi Arabia-United Kingdom	84,850	
Saudi Arabia-United Republic of Tanzania	-	
Saudi Arabia-United States	136,449	
Saudi Arabia-Uzbekistan		188*
Saudi Arabia-Viet Nam		5,961
Saudi Arabia-Yemen		1,988
Saudi Arabia-Zambia	-	
Senegal-Algeria		-
Senegal-Argentina		708
Senegal-Barbados		-
Senegal-Belgium		32,425
Senegal-Benin		3,417
Senegal-Brazil		10,298
Senegal-Burkina Faso		118
Senegal-Cabo Verde		1,088
Senegal-Cameroon		36
Senegal-Central African Republic		328*
Senegal-Chad		23
Senegal-Chile		240*
Senegal-China		216
Senegal-Congo		109

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Senegal-Côte d'Ivoire		14,892
Senegal-Czechia		212
Senegal-Democratic Republic of the Congo		420
Senegal-Denmark		349
Senegal-Dominican Republic		33*
Senegal-El Salvador		173
Senegal-Estonia		-
Senegal-Ethiopia		929
Senegal-France		79,943
Senegal-Gabon		193
Senegal-Gambia		3,801
Senegal-Germany		2,150
Senegal-Ghana		32
Senegal-Guatemala		152
Senegal-Guinea		5,701
Senegal-Guinea-Bissau		1,417
Senegal-Ireland		-
Senegal-Italy		14,976
Senegal-Kenya		2,076
Senegal-Latvia		115
Senegal-Liberia		183
Senegal-Luxembourg		28
Senegal-Mali		13,506
Senegal-Malta		17
Senegal-Mauritania		4,360
Senegal-Morocco		16,955
Senegal-Niger		204
Senegal-Nigeria		557
Senegal-Peru		145
Senegal-Portugal		9,115
Senegal-Rwanda		34*
Senegal-Saudi Arabia		37*
Senegal-Sierra Leone		287
Senegal-South Africa		-
Senegal-Spain		20,266
Senegal-Sudan		38
Senegal-Switzerland		2,439
Senegal-Tajikistan		156
Senegal-Togo		7,476
Senegal-Trinidad and Tobago		359
Senegal-Tunisia		4,312
Senegal-Türkiye		33,861
Senegal-Ukraine		607
Senegal-United Arab Emirates		38,383
Senegal-United Kingdom		26,629

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Senegal-United States		37,947
Serbia-Albania	1,506	
Serbia-Algeria		81
Serbia-Armenia	23*	
Serbia-Austria	7,024	
Serbia-Azerbaijan	4,079	
Serbia-Bahrain		350
Serbia-Belarus		1,531
Serbia-Belgium	3,483	
Serbia-Bosnia and Herzegovina	559	
Serbia-Bulgaria	308	
Serbia-Burkina Faso	-	
Serbia-Cabo Verde		-
Serbia-Central African Republic		51
Serbia-China		2,147
Serbia-Croatia	1,740	
Serbia-Cyprus	3,314	
Serbia-Czechia	386	
Serbia-Denmark	2,228	
Serbia-Egypt		14,327
Serbia-Estonia	105	
Serbia-Ethiopia		156
Serbia-Finland	23	
Serbia-France	18,139	
Serbia-Georgia	133	
Serbia-Germany	34,043	
Serbia-Ghana	55	
Serbia-Greece	7,271	
Serbia-Hungary	65	
Serbia-Iceland	37	
Serbia-India		-
Serbia-Iran (Islamic Republic of)		223
Serbia-Iraq		95
Serbia-Ireland	171	
Serbia-Israel	1,042	
Serbia-Italy	2,666	
Serbia-Japan	231	
Serbia-Kazakhstan	-	
Serbia-Kuwait		283
Serbia-Latvia	-	
Serbia-Lebanon		99
Serbia-Lithuania	85	
Serbia-Luxembourg	362	
Serbia-Mali		-
Serbia-Malta	768	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Serbia-Montenegro	8,882	
Serbia-Morocco		13
Serbia-Netherlands	9,581	
Serbia-North Macedonia	798	
Serbia-Norway	4,744	
Serbia-Oman		-
Serbia-Poland	1,555	
Serbia-Portugal	134	
Serbia-Qatar	-	
Serbia-Republic of Moldova	22	
Serbia-Romania	514	
Serbia-Russian Federation		22,734
Serbia-Saudi Arabia	1,652	
Serbia-Senegal		-
Serbia-Slovakia	15	
Serbia-Slovenia	940	
Serbia-Spain	1,730	
Serbia-Sweden	11,075	
Serbia-Switzerland	14,912	
Serbia-Tunisia		401
Serbia-Türkiye	25,116	
Serbia-Uganda	-	
Serbia-Ukraine	1,980	
Serbia-United Arab Emirates	13,985	
Serbia-United Kingdom	5,157	
Serbia-United States	28,295	
Serbia-Venezuela (Bolivarian Republic of)		1,561
Seychelles-Angola		38
Seychelles-Australia		54
Seychelles-Austria		66
Seychelles-Bangladesh		81
Seychelles-Belgium		39
Seychelles-Botswana		33
Seychelles-Cambodia		36
Seychelles-China		61
Seychelles-Cyprus		91
Seychelles-Czechia		94
Seychelles-Egypt		159
Seychelles-Ethiopia		4,113
Seychelles-France		3,526
Seychelles-Germany		2,102
Seychelles-Greece		123
Seychelles-Hungary		60
Seychelles-India		1,777
Seychelles-Ireland		46

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Seychelles-Israel		6,529
Seychelles-Italy		158
Seychelles-Jordan		29
Seychelles-Kazakhstan		35
Seychelles-Kenya		846
Seychelles-Kuwait		75
Seychelles-Lebanon		-
Seychelles-Madagascar		82
Seychelles-Malawi		22
Seychelles-Malaysia		22
Seychelles-Maldives		1,463
Seychelles-Mauritius		753
Seychelles-Pakistan		67
Seychelles-Philippines		-
Seychelles-Poland		80*
Seychelles-Qatar		-
Seychelles-Romania		101
Seychelles-Russian Federation		22,371
Seychelles-Rwanda		17
Seychelles-Saudi Arabia		98
Seychelles-Singapore		-
Seychelles-South Africa		3,034
Seychelles-Sri Lanka		279
Seychelles-Switzerland		4,883
Seychelles-Türkiye		10,321
Seychelles-United Arab Emirates		42,182
Seychelles-United Kingdom		465
Seychelles-United Republic of Tanzania		23
Seychelles-Uzbekistan		59
Seychelles-Zimbabwe		28
Sierra Leone-Algeria		-
Sierra Leone-Angola		10
Sierra Leone-Belgium		2,449
Sierra Leone-Benin		29
Sierra Leone-Burkina Faso		2,859
Sierra Leone-Cameroon		29
Sierra Leone-Côte d'Ivoire		22
Sierra Leone-Denmark		32
Sierra Leone-Ethiopia		456
Sierra Leone-France		1,169
Sierra Leone-Gabon		44
Sierra Leone-Gambia		2,396
Sierra Leone-Ghana		5,373
Sierra Leone-Guinea		1,376
Sierra Leone-Guinea-Bissau		10

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sierra Leone-India		205
Sierra Leone-Liberia		3,531
Sierra Leone-Mali		5
Sierra Leone-Malta		47
Sierra Leone-Mauritania		61
Sierra Leone-Morocco		199
Sierra Leone-Nigeria		167
Sierra Leone-Portugal		78
Sierra Leone-Senegal		277
Sierra Leone-South Africa		33*
Sierra Leone-Spain		100
Sierra Leone-Sri Lanka		237
Sierra Leone-Switzerland		-
Sierra Leone-Togo		33
Sierra Leone-Türkiye		114
Sierra Leone-United Arab Emirates		218
Sierra Leone-United Kingdom		53
Singapore-Australia	736,629	
Singapore-Azerbaijan	40,408	
Singapore-Bahrain		43,251
Singapore-Bangladesh		22,937
Singapore-Belgium	450*	
Singapore-Brunei Darussalam		6,461
Singapore-Cambodia (excluding data from Singapore)		3,438
Singapore-Canada	3,953*	
Singapore-China		961,310
Singapore-Denmark	46*	
Singapore-Djibouti		-
Singapore-Egypt		1,637
Singapore-Ethiopia		4,143
Singapore-Fiji		-
Singapore-Finland	21,019	
Singapore-France	126,583	
Singapore-Germany	233,235	
Singapore-Greece	57*	
Singapore-India		199,398
Singapore-Indonesia	85,416	
Singapore-Italy	39,996	
Singapore-Japan	298,432	
Singapore-Kazakhstan	-	
Singapore-Lao People's Democratic Republic		99
Singapore-Malaysia	43,304	
Singapore-Maldives		57*
Singapore-Mauritius		120

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Singapore-Mongolia		37
Singapore-Morocco		482
Singapore-Myanmar		7,987
Singapore-Nepal		5,280*
Singapore-Netherlands	110,358*	
Singapore-New Zealand	108,029	
Singapore-Papua New Guinea	415	
Singapore-Philippines	95,482	
Singapore-Poland	-	
Singapore-Qatar	-	
Singapore-Republic of Korea	200,185	
Singapore-Russian Federation		28,166
Singapore-Saudi Arabia	9,303	
Singapore-South Africa		63,868
Singapore-Sri Lanka		26,049
Singapore-Switzerland	116,613	
Singapore-Thailand	111,454	
Singapore-Türkiye	73,354	
Singapore-United Arab Emirates	184,918	
Singapore-United Kingdom	334,960	
Singapore-United States	391,007	
Singapore-Viet Nam		65,899
Slovakia-Armenia	27	
Slovakia-Austria	1,094	
Slovakia-Bahamas		46
Slovakia-Belarus		-
Slovakia-Belgium	854	
Slovakia-Bosnia and Herzegovina	-	
Slovakia-Bulgaria	761	
Slovakia-Croatia	153	
Slovakia-Cyprus	1,486	
Slovakia-Czechia	909	
Slovakia-Denmark	211	
Slovakia-Dominican Republic	146	
Slovakia-Egypt		1,280*
Slovakia-Estonia	38	
Slovakia-Finland	12	
Slovakia-France	341	
Slovakia-Georgia	20	
Slovakia-Germany	5,715	
Slovakia-Greece	4,292	
Slovakia-Hungary	74	
Slovakia-Iceland	11	
Slovakia-Ireland	2,841	
Slovakia-Israel	289*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Slovakia-Italy	1,841	
Slovakia-Jordan		-
Slovakia-Kazakhstan	20*	
Slovakia-Latvia	54	
Slovakia-Lebanon		8
Slovakia-Lithuania	-	
Slovakia-Luxembourg	12	
Slovakia-Maldives		243
Slovakia-Malta	790	
Slovakia-Netherlands	255	
Slovakia-North Macedonia	550	
Slovakia-Norway	3	
Slovakia-Oman		578
Slovakia-Poland	209	
Slovakia-Portugal	37	
Slovakia-Republic of Moldova	6	
Slovakia-Romania	58	
Slovakia-Russian Federation		596
Slovakia-Saint Vincent and the Grenadines		54
Slovakia-Saudi Arabia	13	
Slovakia-Serbia	20	
Slovakia-Slovenia	2*	
Slovakia-Spain	2,693	
Slovakia-Sweden	33	
Slovakia-Switzerland	121	
Slovakia-Tunisia		56
Slovakia-Türkiye	1,680	
Slovakia-Ukraine	1,713	
Slovakia-United Arab Emirates	781	
Slovakia-United Kingdom	14,652	
Slovakia-United States	52	
Slovenia-Armenia	13	
Slovenia-Austria	926	
Slovenia-Belgium	2,290	
Slovenia-Bosnia and Herzegovina	6	
Slovenia-Bulgaria	7	
Slovenia-China		182
Slovenia-Croatia	103	
Slovenia-Cyprus	44	
Slovenia-Czechia	31	
Slovenia-Denmark	6	
Slovenia-Egypt		1,240*
Slovenia-Estonia	8	
Slovenia-Finland	70	
Slovenia-France	3,068	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Slovenia-Georgia	21	
Slovenia-Germany	5,580	
Slovenia-Greece	578	
Slovenia-Hungary	56	
Slovenia-Ireland	13	
Slovenia-Israel	221	
Slovenia-Italy	2,266	
Slovenia-Latvia	35	
Slovenia-Lithuania	19	
Slovenia-Luxembourg	4	
Slovenia-Malta	71	
Slovenia-Montenegro	9	
Slovenia-Netherlands	1,215	
Slovenia-North Macedonia	25	
Slovenia-Norway	26	
Slovenia-Poland	16*	
Slovenia-Portugal	88	
Slovenia-Qatar	-	
Slovenia-Romania	42	
Slovenia-Russian Federation		2,851
Slovenia-Serbia	817	
Slovenia-Slovakia	14	
Slovenia-Spain	480	
Slovenia-Sweden	15	
Slovenia-Switzerland	1,011	
Slovenia-Tunisia		67
Slovenia-Türkiye	3,285	
Slovenia-Ukraine	45	
Slovenia-United Arab Emirates	1,637	
Slovenia-United Kingdom	1,483	
Slovenia-United States	46	
Solomon Islands-Australia		72*
Solomon Islands-Fiji		-
Solomon Islands-Indonesia		44
Solomon Islands-Nauru		203
Solomon Islands-Papua New Guinea		18
Solomon Islands-Vanuatu		-
Somalia-Cyprus		81
Somalia-Djibouti		7,716
Somalia-Egypt		345
Somalia-Ethiopia		17,602
Somalia-Jordan		243
Somalia-Kenya		665
Somalia-Madagascar		93
Somalia-Oman		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Somalia-Qatar		-
Somalia-South Africa		16*
Somalia-Türkiye		2,732
Somalia-United Arab Emirates		2,489
South Africa-Angola		3,740
South Africa-Australia		261*
South Africa-Austria		49
South Africa-Bahrain		83
South Africa-Belgium		985
South Africa-Benin		100
South Africa-Botswana		7,027
South Africa-Brazil		351
South Africa-Bulgaria		43
South Africa-Cabo Verde		85
South Africa-Cameroon		283
South Africa-China		13,949
South Africa-Côte d'Ivoire		-
South Africa-Czechia		55
South Africa-Democratic Republic of the Congo		4,936
South Africa-Egypt		18,297
South Africa-Eswatini		1,115
South Africa-Ethiopia		96,409
South Africa-France		78,530
South Africa-Gabon		95
South Africa-Germany		132,068
South Africa-Ghana		496
South Africa-Greece		216
South Africa-Iceland		211
South Africa-India		1,435
South Africa-Ireland		886
South Africa-Israel		114
South Africa-Italy		49
South Africa-Kenya		91,263
South Africa-Kuwait		-
South Africa-Lesotho		945
South Africa-Luxembourg		1,774
South Africa-Madagascar		1,471
South Africa-Malawi		151*
South Africa-Maldives		257*
South Africa-Malta		46
South Africa-Mauritania		154*
South Africa-Mauritius		8,964
South Africa-Montenegro		96
South Africa-Morocco		-
South Africa-Mozambique		8,771

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
South Africa-Namibia		20,467
South Africa-Netherlands		138,724
South Africa-Nigeria		6,298
South Africa-Norway		195
South Africa-Pakistan		176
South Africa-Qatar		-
South Africa-Republic of Korea		10
South Africa-Romania		37
South Africa-Russian Federation		312
South Africa-Rwanda		2,863
South Africa-Sao Tome and Principe		44
South Africa-Saudi Arabia		412
South Africa-Seychelles		2,894
South Africa-Singapore		53,940
South Africa-South Sudan		-
South Africa-Spain		179*
South Africa-Sri Lanka		134*
South Africa-Sudan		97*
South Africa-Sweden		106
South Africa-Switzerland		53,937
South Africa-Togo		1,224
South Africa-Türkiye		56,120
South Africa-Uganda		11,940
South Africa-United Arab Emirates		140,778
South Africa-United Kingdom		139,183
South Africa-United Republic of Tanzania		5,787
South Africa-United States		73,454
South Africa-Zambia		18,030
South Africa-Zimbabwe		34,166
South Sudan-Bangladesh		-
South Sudan-Burundi		24
South Sudan-Cameroon		55
South Sudan-Djibouti		24
South Sudan-Egypt		3,725
South Sudan-Ethiopia		5,445
South Sudan-Ghana		414
South Sudan-Kenya		-
South Sudan-Madagascar		163
South Sudan-Rwanda		57*
South Sudan-South Africa		-
South Sudan-Sudan		129
South Sudan-Türkiye		-
South Sudan-Uganda		-
South Sudan-United Arab Emirates		5,233
South Sudan-United Republic of Tanzania		23

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain-Afghanistan	140	
Spain-Albania	1,055	
Spain-Algeria		4,964
Spain-Angola		26
Spain-Antigua and Barbuda		36*
Spain-Argentina		155,140
Spain-Armenia	263	
Spain-Austria	75,410	
Spain-Azerbaijan	1,465	
Spain-Bahamas		745
Spain-Bahrain		2,896
Spain-Bangladesh		197
Spain-Barbados		292
Spain-Belarus		906
Spain-Belgium	223,134	
Spain-Benin	17	
Spain-Bolivia (Plurinational State of)		48,441
Spain-Bosnia and Herzegovina	57	
Spain-Botswana	213	
Spain-Brazil		140,159
Spain-Bulgaria	21,354	
Spain-Burkina Faso	121	
Spain-Cabo Verde		3,204
Spain-Cambodia		1,030
Spain-Canada	35,946	
Spain-Chad		13
Spain-Chile		134,097
Spain-China		167,034
Spain-Colombia		125,409
Spain-Costa Rica	61,718	
Spain-Côte d'Ivoire	167	
Spain-Croatia	8,637	
Spain-Cuba		70,247
Spain-Cyprus	1,258	
Spain-Czechia	37,193	
Spain-Democratic Republic of the Congo	111	
Spain-Denmark	133,246	
Spain-Dominica		-
Spain-Dominican Republic	168,705	
Spain-Ecuador		95,963
Spain-Egypt		11,853
Spain-El Salvador	777	
Spain-Equatorial Guinea	2,210	
Spain-Estonia	4,641	
Spain-Ethiopia		100

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain-Finland	47,615	
Spain-France	419,969	
Spain-Gabon	80	
Spain-Gambia		3,374
Spain-Georgia	2,368	
Spain-Germany	1,047,165	
Spain-Ghana	198	
Spain-Greece	34,498	
Spain-Guatemala	40,279	
Spain-Guinea		76
Spain-Guinea-Bissau		146
Spain-Guyana	2,740	
Spain-Honduras	13,293	
Spain-Hungary	25,465	
Spain-Iceland	21,750	
Spain-India		2,596
Spain-Iraq		682*
Spain-Ireland	115,910	
Spain-Israel	26,225	
Spain-Italy	363,643	
Spain-Japan	1,284	
Spain-Jordan		4,337
Spain-Kazakhstan	23,293	
Spain-Kenya	691	
Spain-Kuwait		2,806
Spain-Kyrgyzstan		200
Spain-Latvia	12,321	
Spain-Lebanon		3,169
Spain-Libya		13*
Spain-Lithuania	10,793	
Spain-Luxembourg	32,551	
Spain-Maldives		7,385
Spain-Mali		2,343
Spain-Malta	8,729	
Spain-Mauritania		2,870
Spain-Mauritius		168
Spain-Mexico	417,950	
Spain-Montenegro	913	
Spain-Morocco		70,328
Spain-Mozambique		238
Spain-Namibia	107	
Spain-Nepal		146
Spain-Netherlands	331,123	
Spain-Nicaragua		51
Spain-Niger		192

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain-Nigeria	619	
Spain-North Macedonia	663	
Spain-Norway	69,141	
Spain-Oman		30
Spain-Pakistan		340*
Spain-Panama		49,357
Spain-Paraguay		26,012
Spain-Peru		127,029
Spain-Philippines	2,650	
Spain-Poland	110,403	
Spain-Portugal	103,185	
Spain-Qatar	155,110	
Spain-Republic of Korea	48,919	
Spain-Republic of Moldova	1,685	
Spain-Romania	76,495	
Spain-Russian Federation		59,919
Spain-Rwanda	360	
Spain-Saint Vincent and the Grenadines		41
Spain-Saudi Arabia	30,180	
Spain-Senegal		23,510
Spain-Serbia	1,741	
Spain-Seychelles		44
Spain-Sierra Leone		33
Spain-Singapore	366	
Spain-Slovakia	2,528	
Spain-Slovenia	354	
Spain-South Africa		869
Spain-Sri Lanka		184
Spain-Suriname		792
Spain-Sweden	138,555	
Spain-Switzerland	150,039	
Spain-Tajikistan		113
Spain-Thailand	467	
Spain-Togo		47
Spain-Tunisia		983
Spain-Türkiye	92,582	
Spain-Turkmenistan		245
Spain-Ukraine	26,132	
Spain-United Arab Emirates	211,368	
Spain-United Kingdom	941,771	
Spain-United Republic of Tanzania	38	
Spain-United States	571,944	
Spain-Uruguay		58,361
Spain-Uzbekistan		1,393
Spain-Venezuela (Bolivarian Republic of)		6,688

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain-Viet Nam		752*
Sri Lanka-Australia		43,828
Sri Lanka-Azerbaijan		215*
Sri Lanka-Bahrain		4,527
Sri Lanka-Bangladesh		10,515
Sri Lanka-Cambodia		-
Sri Lanka-China		63,138
Sri Lanka-Cyprus		316
Sri Lanka-Egypt		611
Sri Lanka-Ethiopia		508
Sri Lanka-France		9,990
Sri Lanka-Georgia		98*
Sri Lanka-Germany		19,540
Sri Lanka-Greece		332
Sri Lanka-India		24,696
Sri Lanka-Indonesia		4,133
Sri Lanka-Italy		8,757
Sri Lanka-Japan		20,589
Sri Lanka-Jordan		48
Sri Lanka-Kazakhstan		1,838
Sri Lanka-Kenya		5,364
Sri Lanka-Kuwait		12,467
Sri Lanka-Malaysia		4,833
Sri Lanka-Maldives		30,599
Sri Lanka-Myanmar		24
Sri Lanka-Nepal		1,641
Sri Lanka-Netherlands		134
Sri Lanka-Oman		8,699
Sri Lanka-Pakistan		23,214
Sri Lanka-Philippines		38
Sri Lanka-Poland		-
Sri Lanka-Portugal		292
Sri Lanka-Qatar		89,089
Sri Lanka-Republic of Korea		7,070
Sri Lanka-Russian Federation		6,861
Sri Lanka-Rwanda		-
Sri Lanka-Saudi Arabia		35,895
Sri Lanka-Seychelles		308
Sri Lanka-Sierra Leone		289
Sri Lanka-Singapore		15,773*
Sri Lanka-South Africa		126*
Sri Lanka-Spain		284
Sri Lanka-Sudan		-
Sri Lanka-Switzerland		45*
Sri Lanka-Thailand		1,201

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sri Lanka-Türkiye		24,108
Sri Lanka-Turkmenistan		-
Sri Lanka-Uganda		397
Sri Lanka-Ukraine		335
Sri Lanka-United Arab Emirates		93,032
Sri Lanka-United Kingdom		40,177
Sri Lanka-United States		382
Sri Lanka-Viet Nam		3,326
Sudan-Algeria		36*
Sudan-Angola		-
Sudan-Armenia		15
Sudan-Belgium		-
Sudan-Burkina Faso		152
Sudan-Central African Republic		-
Sudan-Chad		307
Sudan-Côte d'Ivoire		151
Sudan-Djibouti		157
Sudan-Egypt		13,160
Sudan-Eritrea		40
Sudan-Ethiopia		12,861
Sudan-France		46
Sudan-Germany		275
Sudan-Greece		38
Sudan-India		150*
Sudan-Italy		145
Sudan-Jordan		667*
Sudan-Kenya		7,620
Sudan-Kuwait		486
Sudan-Libya		211
Sudan-Mali		47
Sudan-Malta		20
Sudan-Niger		34
Sudan-Nigeria		285
Sudan-Pakistan		384
Sudan-Portugal		58
Sudan-Qatar		250*
Sudan-Rwanda		-
Sudan-Saudi Arabia		49,647
Sudan-Senegal		105
Sudan-Serbia		46
Sudan-South Africa		98
Sudan-South Sudan		9*
Sudan-Switzerland		-
Sudan-Togo		130
Sudan-Türkiye		15,613

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sudan-Uganda		43*
Sudan-Ukraine		51
Sudan-United Arab Emirates		52,896
Sudan-Yemen		2,121
Suriname-Brazil		976
Suriname-Canada		85
Suriname-Dominican Republic		169
Suriname-France		367
Suriname-Guyana		219
Suriname-Haiti		273
Suriname-Jamaica		30
Suriname-Netherlands		47,165
Suriname-Portugal		303
Suriname-Spain		465
Suriname-Trinidad and Tobago		86
Suriname-United States		12,362
Sweden-Afghanistan	465	
Sweden-Albania	1,901	
Sweden-Algeria		13
Sweden-Antigua and Barbuda		50
Sweden-Armenia	73	
Sweden-Austria	9,028	
Sweden-Azerbaijan	161	
Sweden-Bahamas		206
Sweden-Belarus		603
Sweden-Belgium	21,943	
Sweden-Bosnia and Herzegovina	10,171	
Sweden-Brazil		51
Sweden-Bulgaria	386	
Sweden-Cabo Verde		2,248
Sweden-Canada	247	
Sweden-China		10,643
Sweden-Croatia	8,244	
Sweden-Cyprus	7,263	
Sweden-Czechia	3,670	
Sweden-Denmark	24,327	
Sweden-Egypt		316
Sweden-Estonia	4,929	
Sweden-Ethiopia		29,059
Sweden-Finland	19,504	
Sweden-France	37,638	
Sweden-Georgia	367	
Sweden-Germany	75,153	
Sweden-Ghana	43	
Sweden-Greece	36,539	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sweden-Hungary	5,064	
Sweden-Iceland	5,846	
Sweden-India		117
Sweden-Iran (Islamic Republic of)		171
Sweden-Iraq		40
Sweden-Ireland	4,274	
Sweden-Israel	206	
Sweden-Italy	13,586	
Sweden-Japan	185	
Sweden-Jordan		-
Sweden-Kazakhstan	32	
Sweden-Kenya	28	
Sweden-Latvia	3,595	
Sweden-Lebanon		1,445
Sweden-Lithuania	2,848	
Sweden-Luxembourg	966	
Sweden-Maldives		100*
Sweden-Malta	875	
Sweden-Mexico	938	
Sweden-Montenegro	59	
Sweden-Netherlands	29,505	
Sweden-Nicaragua		189
Sweden-North Macedonia	7,497	
Sweden-Norway	19,210	
Sweden-Pakistan		321
Sweden-Poland	23,121	
Sweden-Portugal	12,405	
Sweden-Qatar	-	
Sweden-Republic of Korea	26,838	
Sweden-Republic of Moldova	-	
Sweden-Romania	5,496	
Sweden-Russian Federation		6,933
Sweden-Saint Vincent and the Grenadines		53
Sweden-Saudi Arabia	67	
Sweden-Serbia	10,690	
Sweden-Singapore	55	
Sweden-Slovakia	33	
Sweden-Slovenia	18	
Sweden-South Africa		111
Sweden-Spain	140,937	
Sweden-Sudan		288
Sweden-Switzerland	13,901	
Sweden-Thailand	17,796	
Sweden-Togo		331
Sweden-Türkiye	53,183	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sweden-Ukraine	269	
Sweden-United Arab Emirates	35,929	
Sweden-United Kingdom	30,536	
Sweden-United States	30,473	
Sweden-Uzbekistan		40*
Sweden-Viet Nam		-
Switzerland-Albania	2,159	
Switzerland-Algeria		19*
Switzerland-Angola		168
Switzerland-Antigua and Barbuda		206
Switzerland-Argentina		4,123
Switzerland-Armenia	111	
Switzerland-Austria	17,221	
Switzerland-Azerbaijan	478	
Switzerland-Bahamas		1,300
Switzerland-Bahrain		389
Switzerland-Belarus		53
Switzerland-Belgium	12,413	
Switzerland-Belize		52
Switzerland-Bosnia and Herzegovina	836	
Switzerland-Brazil		44*
Switzerland-Bulgaria	2,875	
Switzerland-Burkina Faso	-	
Switzerland-Cabo Verde		-
Switzerland-Cameroon	21*	
Switzerland-Canada	67,252	
Switzerland-Chile		3,176
Switzerland-China		404*
Switzerland-Colombia		95*
Switzerland-Costa Rica	51*	
Switzerland-Côte d'Ivoire	23*	
Switzerland-Croatia	5,564	
Switzerland-Cuba		81*
Switzerland-Cyprus	7,742	
Switzerland-Czechia	4,172	
Switzerland-Democratic Republic of the Congo	29	
Switzerland-Denmark	11,853	
Switzerland-Dominican Republic	28,303	
Switzerland-Egypt		28,998
Switzerland-Equatorial Guinea	17	
Switzerland-Estonia	1,181	
Switzerland-Ethiopia		16,106
Switzerland-Finland	10,305	
Switzerland-France	50,125	
Switzerland-Georgia	230	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Switzerland-Germany	64,305	
Switzerland-Ghana	72	
Switzerland-Greece	67,169	
Switzerland-Grenada		44
Switzerland-Guatemala	552	
Switzerland-Hungary	4,647	
Switzerland-Iceland	5,982	
Switzerland-India		21,172
Switzerland-Iraq		17*
Switzerland-Ireland	6,274	
Switzerland-Israel	20,586	
Switzerland-Italy	43,817	
Switzerland-Japan	45,753	
Switzerland-Jordan		1,284
Switzerland-Kazakhstan	217	
Switzerland-Kenya	224	
Switzerland-Kuwait		3,263
Switzerland-Kyrgyzstan		68
Switzerland-Latvia	2,333	
Switzerland-Lebanon		4,589
Switzerland-Libya		23
Switzerland-Lithuania	174	
Switzerland-Luxembourg	1,694	
Switzerland-Malawi		37
Switzerland-Maldives		16,249
Switzerland-Malta	4,856	
Switzerland-Mauritania		13*
Switzerland-Mauritius		-
Switzerland-Mexico	22,602	
Switzerland-Montenegro	1,143	
Switzerland-Morocco		10,213
Switzerland-Mozambique		170
Switzerland-Namibia	72	
Switzerland-Netherlands	27,992	
Switzerland-Niger		23
Switzerland-Nigeria	173	
Switzerland-North Macedonia	6,863	
Switzerland-Norway	2,869	
Switzerland-Oman		3,144
Switzerland-Panama		50
Switzerland-Poland	15,134	
Switzerland-Portugal	88,349	
Switzerland-Qatar	35,218	
Switzerland-Republic of Korea	8,334*	
Switzerland-Republic of Moldova	31	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Switzerland-Romania	5,934	
Switzerland-Russian Federation		27,792
Switzerland-Rwanda	50*	
Switzerland-Saint Kitts and Nevis		72
Switzerland-Saint Lucia		42
Switzerland-Saint Vincent and the Grenadines		160
Switzerland-Saudi Arabia	11,773	
Switzerland-Senegal		26
Switzerland-Serbia	13,607	
Switzerland-Seychelles		41*
Switzerland-Singapore	107,181	
Switzerland-Slovakia	115	
Switzerland-Slovenia	734	
Switzerland-South Africa		53,651
Switzerland-Spain	151,177	
Switzerland-Sri Lanka		-
Switzerland-Sudan		156
Switzerland-Sweden	14,196	
Switzerland-Thailand	47,711	
Switzerland-Togo		18
Switzerland-Trinidad and Tobago		48
Switzerland-Tunisia		3,841
Switzerland-Türkiye	80,411	
Switzerland-Ukraine	6,682	
Switzerland-United Arab Emirates	169,089	
Switzerland-United Kingdom	53,596	
Switzerland-United Republic of Tanzania	2,942	
Switzerland-United States	395,833	
Switzerland-Uruguay		53
Switzerland-Uzbekistan		1,163
Switzerland-Viet Nam		224
Switzerland-Zambia	115	
Switzerland-Zimbabwe		39
Syrian Arab Republic-Armenia		122
Syrian Arab Republic-Austria		7
Syrian Arab Republic-Iran (Islamic Republic of)		1,495
Syrian Arab Republic-Iraq		11,928
Syrian Arab Republic-Jordan		4
Syrian Arab Republic-Kuwait		846
Syrian Arab Republic-Lebanon		364
Syrian Arab Republic-Libya		294
Syrian Arab Republic-Oman		1,779
Syrian Arab Republic-Pakistan		1,451
Syrian Arab Republic-Qatar		2,220
Syrian Arab Republic-Russian Federation		416

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Syrian Arab Republic-United Arab Emirates		8,870
Tajikistan-Afghanistan		398
Tajikistan-Armenia		573
Tajikistan-Azerbaijan		320*
Tajikistan-Belarus		1,476*
Tajikistan-Belgium		24
Tajikistan-China		767
Tajikistan-Finland		85
Tajikistan-Georgia		74
Tajikistan-Germany		535
Tajikistan-Greece		40
Tajikistan-India		533
Tajikistan-Iran (Islamic Republic of)		38
Tajikistan-Jordan		-
Tajikistan-Kazakhstan		1,468
Tajikistan-Kyrgyzstan		132
Tajikistan-Lebanon		-
Tajikistan-Pakistan		262
Tajikistan-Poland		-
Tajikistan-Qatar		-
Tajikistan-Russian Federation		131,159
Tajikistan-Saudi Arabia		183
Tajikistan-Türkiye		10,430
Tajikistan-Turkmenistan		523
Tajikistan-United Arab Emirates		5,784
Tajikistan-Uzbekistan		1,436
Thailand-Australia	39,102	
Thailand-Austria	28,073	
Thailand-Azerbaijan	38,637	
Thailand-Bahrain		10,856
Thailand-Bangladesh		4,037
Thailand-Belgium	4,789	
Thailand-Brunei Darussalam		766
Thailand-Cambodia		6,092
Thailand-China		532,537
Thailand-Cyprus	-	
Thailand-Denmark	21,187	
Thailand-Djibouti		163
Thailand-Egypt		31,018
Thailand-Ethiopia		32,989
Thailand-Finland	60,002	
Thailand-France	108,264	
Thailand-Georgia	454	
Thailand-Germany	140,526	
Thailand-Greece	47	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Thailand-India		146,316
Thailand-Indonesia	19,930	
Thailand-Iran (Islamic Republic of)		1,379
Thailand-Israel	14,382	
Thailand-Italy	194	
Thailand-Japan	371,990	
Thailand-Jordan		-
Thailand-Kazakhstan	3,542	
Thailand-Kuwait		2,216
Thailand-Kyrgyzstan		43
Thailand-Lao People's Democratic Republic		556
Thailand-Malaysia	21,906	
Thailand-Maldives		405
Thailand-Mongolia		199
Thailand-Myanmar		6,133
Thailand-Nepal		41*
Thailand-Netherlands	194,800*	
Thailand-New Zealand	2,920	
Thailand-Oman		-
Thailand-Pakistan		371
Thailand-Philippines	41,539	
Thailand-Qatar	-	
Thailand-Republic of Korea	191,676	
Thailand-Russian Federation		27,944
Thailand-Singapore	64,850	
Thailand-Spain	1,560	
Thailand-Sri Lanka		1,188
Thailand-Sweden	18,215	
Thailand-Switzerland	57,758	
Thailand-Türkiye	97,403	
Thailand-Turkmenistan		-
Thailand-Ukraine	50	
Thailand-United Arab Emirates	365,928	
Thailand-United Kingdom	150,471	
Thailand-United States	9,581	
Thailand-Uzbekistan		274
Thailand-Viet Nam		28,945
Timor-Leste-Australia		61*
Timor-Leste-China		33
Timor-Leste-Indonesia		93
Timor-Leste-Malaysia		735
Timor-Leste-Philippines		28
Togo-Algeria		-
Togo-Argentina		264
Togo-Belgium		4,039

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Togo-Benin		1,060
Togo-Brazil		887
Togo-Burkina Faso		3,685
Togo-Cameroon		4,546
Togo-Chad		73
Togo-Congo		1,204
Togo-Côte d'Ivoire		4,485
Togo-Democratic Republic of the Congo		2,617
Togo-Djibouti		180
Togo-Egypt		20
Togo-Equatorial Guinea		151
Togo-Ethiopia		35,676
Togo-France		16,518
Togo-Gabon		1,644
Togo-Gambia		9
Togo-Ghana		3,246
Togo-Greece		15
Togo-Guinea-Bissau		11
Togo-Israel		19
Togo-Italy		144
Togo-Kenya		23
Togo-Liberia		23
Togo-Mali		3,971
Togo-Mauritania		24
Togo-Morocco		-
Togo-Niger		5,224
Togo-Nigeria		5,031
Togo-Rwanda		16
Togo-Senegal		8,155
Togo-Sierra Leone		8
Togo-South Africa		1,115
Togo-Spain		99
Togo-Sudan		150
Togo-Switzerland		26
Togo-Türkiye		46
Togo-Ukraine		265
Togo-United Arab Emirates		413
Togo-United Kingdom		183
Togo-United Republic of Tanzania		30
Togo-United States		53,157
Tonga-Australia		-
Tonga-Fiji		-
Tonga-New Zealand		-
Trinidad and Tobago-Antigua and Barbuda		498
Trinidad and Tobago-Argentina		10

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Trinidad and Tobago-Barbados		977
Trinidad and Tobago-Belgium		172
Trinidad and Tobago-Brazil		77
Trinidad and Tobago-Cabo Verde		125
Trinidad and Tobago-Canada		2,958
Trinidad and Tobago-Colombia		305
Trinidad and Tobago-Cuba		201
Trinidad and Tobago-Dominica		70
Trinidad and Tobago-Dominican Republic		199
Trinidad and Tobago-France		82
Trinidad and Tobago-Ghana		151
Trinidad and Tobago-Grenada		106
Trinidad and Tobago-Guyana		5,275
Trinidad and Tobago-Honduras		32
Trinidad and Tobago-Italy		160
Trinidad and Tobago-Jamaica		612
Trinidad and Tobago-Mexico		1,216
Trinidad and Tobago-Netherlands		8,481
Trinidad and Tobago-Panama		1,610
Trinidad and Tobago-Saint Lucia		72
Trinidad and Tobago-Saint Vincent and the Grenadines		175
Trinidad and Tobago-Suriname		138
Trinidad and Tobago-United States		41,623
Tunisia-Afghanistan		246
Tunisia-Algeria		1,855
Tunisia-Armenia		395
Tunisia-Austria		917
Tunisia-Azerbaijan		97
Tunisia-Belarus		-
Tunisia-Belgium		6,422
Tunisia-Bosnia and Herzegovina		115
Tunisia-Bulgaria		36
Tunisia-Burkina Faso		1,652
Tunisia-Cabo Verde		-
Tunisia-Cameroon		40
Tunisia-Canada		8,241
Tunisia-Central African Republic		77
Tunisia-Congo		98
Tunisia-Côte d'Ivoire		5,675
Tunisia-Cyprus		7
Tunisia-Czechia		2,194
Tunisia-Democratic Republic of the Congo		39
Tunisia-Denmark		37
Tunisia-Egypt		5,992

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Tunisia-France		129,704
Tunisia-Germany		18,624
Tunisia-Guinea		5,322
Tunisia-Hungary		52
Tunisia-Ireland		26
Tunisia-Italy		7,667
Tunisia-Jordan		-
Tunisia-Kuwait		-
Tunisia-Lebanon		-
Tunisia-Libya		10,898
Tunisia-Lithuania		26
Tunisia-Luxembourg		2,559
Tunisia-Mali		2,452
Tunisia-Malta		1,685
Tunisia-Mauritania		5,562
Tunisia-Montenegro		23
Tunisia-Morocco		6,498
Tunisia-Netherlands		44
Tunisia-Niger		419
Tunisia-Nigeria		69
Tunisia-Poland		4,370
Tunisia-Portugal		524
Tunisia-Qatar		-
Tunisia-Romania		636
Tunisia-Russian Federation		6,887
Tunisia-Rwanda		-
Tunisia-Saint Kitts and Nevis		49
Tunisia-Saudi Arabia		72*
Tunisia-Senegal		338
Tunisia-Serbia		160
Tunisia-Slovakia		106
Tunisia-Slovenia		46
Tunisia-Spain		1,145
Tunisia-Sweden		120
Tunisia-Switzerland		4,720
Tunisia-Türkiye		27,849
Tunisia-Ukraine		18
Tunisia-United Arab Emirates		31,396
Tunisia-United Kingdom		1,560
Türkiye-Afghanistan	26,970	
Türkiye-Albania	6,305	
Türkiye-Algeria		28,539
Türkiye-Angola		1,142*
Türkiye-Antigua and Barbuda		-
Türkiye-Armenia	26	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye-Australia	-	
Türkiye-Austria	51,180	
Türkiye-Azerbaijan	87,421	
Türkiye-Bahrain		26,052
Türkiye-Bangladesh		57,664
Türkiye-Belarus		54,824
Türkiye-Belgium	97,354	
Türkiye-Benin	21,299	
Türkiye-Bosnia and Herzegovina	14,273	
Türkiye-Brazil		96,777
Türkiye-Bulgaria	6,766	
Türkiye-Burkina Faso	19,703	
Türkiye-Cameroon	18,786	
Türkiye-Canada	143,352	
Türkiye-Chad		5,418
Türkiye-China		277,924
Türkiye-Colombia		53,671
Türkiye-Croatia	8,426	
Türkiye-Cuba		11,308
Türkiye-Cyprus	757	
Türkiye-Czechia	21,855	
Türkiye-Democratic Republic of the Congo	21,151	
Türkiye-Denmark	45,291	
Türkiye-Djibouti		13,852
Türkiye-Dominican Republic	2,451	
Türkiye-Egypt		85,836
Türkiye-Eritrea		2,752
Türkiye-Estonia	11,239	
Türkiye-Ethiopia		28,535
Türkiye-Finland	20,128	
Türkiye-France	191,726	
Türkiye-Gabon	7,490	
Türkiye-Georgia	32,712	
Türkiye-Germany	948,287	
Türkiye-Ghana	23,484	
Türkiye-Greece	15,893	
Türkiye-Hungary	15,042	
Türkiye-Iceland	354	
Türkiye-India		90,262
Türkiye-Indonesia	74,407	
Türkiye-Iran (Islamic Republic of)		117,681
Türkiye-Iraq		101,200
Türkiye-Ireland	42,053	
Türkiye-Israel	72,945	
Türkiye-Italy	71,212	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye-Japan	41,958	
Türkiye-Jordan		63,777
Türkiye-Kazakhstan	167,987	
Türkiye-Kenya	15,953	
Türkiye-Kuwait		104,764
Türkiye-Kyrgyzstan		72,925
Türkiye-Latvia	9,671	
Türkiye-Lebanon		48,059
Türkiye-Liberia		194
Türkiye-Libya		36,782
Türkiye-Lithuania	23,884	
Türkiye-Luxembourg	7,097	
Türkiye-Madagascar	13,590	
Türkiye-Malaysia	108,054	
Türkiye-Maldives		49,092
Türkiye-Mali		11,742
Türkiye-Malta	6,255	
Türkiye-Mauritania		17,677
Türkiye-Mauritius		9,737
Türkiye-Mexico	59,465	
Türkiye-Mongolia		7,655
Türkiye-Montenegro	7,537	
Türkiye-Morocco		61,026
Türkiye-Nepal		17,496
Türkiye-Netherlands	159,715	
Türkiye-Nicaragua		243
Türkiye-Niger		8,737
Türkiye-Nigeria	91,917	
Türkiye-North Macedonia	9,423	
Türkiye-Norway	18,763	
Türkiye-Oman		35,131
Türkiye-Pakistan		91,299
Türkiye-Panama		247
Türkiye-Philippines	68,661	
Türkiye-Poland	79,733	
Türkiye-Portugal	19,398	
Türkiye-Qatar	136,219	
Türkiye-Republic of Korea	76,103	
Türkiye-Republic of Moldova	17,383	
Türkiye-Romania	27,909	
Türkiye-Russian Federation		582,441
Türkiye-Rwanda	12,450	
Türkiye-Saudi Arabia	19,546	
Türkiye-Senegal		46,298
Türkiye-Serbia	26,580	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye-Seychelles		11,094
Türkiye-Sierra Leone		107
Türkiye-Singapore	74,716*	
Türkiye-Slovakia	1,903	
Türkiye-Slovenia	3,714	
Türkiye-Somalia		2,900*
Türkiye-South Africa		88,287
Türkiye-Spain	113,113	
Türkiye-Sri Lanka		272
Türkiye-Sudan		22,415
Türkiye-Sweden	53,934	
Türkiye-Switzerland	82,888	
Türkiye-Tajikistan		10,044
Türkiye-Thailand	117,647*	
Türkiye-Togo		23
Türkiye-Tunisia		30,308
Türkiye-Turkmenistan		8,469
Türkiye-Uganda	10,583	
Türkiye-Ukraine	346,525	
Türkiye-United Arab Emirates	231,776	
Türkiye-United Kingdom	226,145	
Türkiye-United Republic of Tanzania	13,879	
Türkiye-United States	1,118,921	
Türkiye-Uzbekistan		125,755
Türkiye-Venezuela (Bolivarian Republic of)		38,669
Türkiye-Viet Nam		39,437
Turkmenistan-Afghanistan		203*
Turkmenistan-Austria		-
Turkmenistan-Azerbaijan		220
Turkmenistan-Belarus		-
Turkmenistan-Belgium		119*
Turkmenistan-Bulgaria		576
Turkmenistan-China		16,322
Turkmenistan-Cyprus		28
Turkmenistan-France		953
Turkmenistan-Georgia		5*
Turkmenistan-Germany		-
Turkmenistan-Hungary		-
Turkmenistan-India		692
Turkmenistan-Iran (Islamic Republic of)		-
Turkmenistan-Italy		782
Turkmenistan-Japan		-
Turkmenistan-Kazakhstan		456
Turkmenistan-Kyrgyzstan		291
Turkmenistan-Libya		-

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Turkmenistan-Luxembourg		22
Turkmenistan-Malta		-
Turkmenistan-Morocco		-
Turkmenistan-Myanmar		-
Turkmenistan-Russian Federation		2,875
Turkmenistan-Saudi Arabia		-
Turkmenistan-Serbia		46*
Turkmenistan-Slovakia		186
Turkmenistan-Spain		-
Turkmenistan-Sri Lanka		-
Turkmenistan-Tajikistan		-
Turkmenistan-Thailand		-
Turkmenistan-Türkiye		10,424
Turkmenistan-Ukraine		2,049
Turkmenistan-United Arab Emirates		3,222
Turkmenistan-United Kingdom		-
Turkmenistan-Uzbekistan		-
Turkmenistan-Viet Nam		209
Uganda-Algeria		-
Uganda-Bangladesh		-
Uganda-Belarus		-
Uganda-Belgium	49,564	
Uganda-Burkina Faso	76	
Uganda-Burundi		394
Uganda-Central African Republic		-
Uganda-China		-
Uganda-Congo		7
Uganda-Cyprus	22	
Uganda-Democratic Republic of the Congo	32	
Uganda-Egypt		7,017
Uganda-Ethiopia		16,188
Uganda-France	72	
Uganda-Greece	18	
Uganda-India		259
Uganda-Jordan		50
Uganda-Kenya	9,349	
Uganda-Mozambique		28
Uganda-Namibia	20	
Uganda-Netherlands	36,772	
Uganda-Nigeria	14	
Uganda-Oman		54
Uganda-Qatar	195*	
Uganda-Russian Federation		-
Uganda-Rwanda	4,464	
Uganda-Saudi Arabia	313*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uganda-Serbia	-	
Uganda-Somalia		64
Uganda-South Africa		727
Uganda-South Sudan		40
Uganda-Spain	633	
Uganda-Sri Lanka		591
Uganda-Switzerland	321	
Uganda-Türkiye	35,792	
Uganda-United Arab Emirates	43,426	
Uganda-United Kingdom	38*	
Uganda-United Republic of Tanzania	491	
Uganda-Zambia	21	
Ukraine-Albania	6,614	
Ukraine-Armenia	5,263	
Ukraine-Austria	15,340	
Ukraine-Azerbaijan	11,622	
Ukraine-Bahrain		67
Ukraine-Bangladesh		465
Ukraine-Belarus		4,797
Ukraine-Belgium	398	
Ukraine-Bosnia and Herzegovina	67	
Ukraine-Bulgaria	6,257	
Ukraine-China		21,932
Ukraine-Croatia	5,461	
Ukraine-Cuba		389
Ukraine-Cyprus	17,702	
Ukraine-Czechia	10,833	
Ukraine-Denmark	3,772	
Ukraine-Dominican Republic	35,029	
Ukraine-Egypt		392,709
Ukraine-Estonia	3,736	
Ukraine-Ethiopia		100
Ukraine-Finland	1,725	
Ukraine-France	21,422	
Ukraine-Georgia	33,166	
Ukraine-Germany	57,535	
Ukraine-Greece	30,124	
Ukraine-Hungary	4,370	
Ukraine-Iceland	298	
Ukraine-India		3,825
Ukraine-Iraq		226
Ukraine-Ireland	1,983	
Ukraine-Israel	25,626	
Ukraine-Italy	35,530	
Ukraine-Jordan		154

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ukraine-Kazakhstan	16,304	
Ukraine-Kuwait		92
Ukraine-Kyrgyzstan		33
Ukraine-Latvia	6,433	
Ukraine-Lebanon		54
Ukraine-Lithuania	6,745	
Ukraine-Luxembourg	4	
Ukraine-Malaysia	1,681	
Ukraine-Maldives		9,769
Ukraine-Malta	197	
Ukraine-Mexico	569	
Ukraine-Montenegro	2,935	
Ukraine-Netherlands	20,419	
Ukraine-North Macedonia	572	
Ukraine-Norway	1,161	
Ukraine-Poland	45,769	
Ukraine-Portugal	8,305	
Ukraine-Qatar	17*	
Ukraine-Republic of Korea	888	
Ukraine-Republic of Moldova	768	
Ukraine-Romania	307	
Ukraine-Russian Federation		29
Ukraine-Rwanda	51	
Ukraine-Saint Vincent and the Grenadines		56
Ukraine-Saudi Arabia	8,537	
Ukraine-Serbia	201	
Ukraine-Slovakia	1,839	
Ukraine-Slovenia	48	
Ukraine-Spain	14,995	
Ukraine-Sudan		54
Ukraine-Sweden	414	
Ukraine-Switzerland	7,872	
Ukraine-Tajikistan		203
Ukraine-Thailand	366	
Ukraine-Tunisia		909
Ukraine-Türkiye	133,884	
Ukraine-Turkmenistan		196
Ukraine-United Arab Emirates	49,677	
Ukraine-United Kingdom	20,504	
Ukraine-United Republic of Tanzania	1,329	
Ukraine-United States	1,923	
Ukraine-Uzbekistan		6,939
Ukraine-Viet Nam		275
United Arab Emirates-Afghanistan	43,776	
United Arab Emirates-Albania	8,729	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates-Algeria		6,253
United Arab Emirates-Angola		33,697
United Arab Emirates-Armenia	13,693	
United Arab Emirates-Australia	491,961	
United Arab Emirates-Austria	78,393	
United Arab Emirates-Azerbaijan	29,260	
United Arab Emirates-Bahrain		69,009
United Arab Emirates-Bangladesh		253,646
United Arab Emirates-Belarus		15,353
United Arab Emirates-Belgium	128,012	
United Arab Emirates-Benin	72	
United Arab Emirates-Bosnia and Herzegovina	19,474	
United Arab Emirates-Botswana	198	
United Arab Emirates-Brazil		215,297
United Arab Emirates-Brunei Darussalam		383
United Arab Emirates-Bulgaria	13,831	
United Arab Emirates-Burkina Faso	119	
United Arab Emirates-Burundi		42
United Arab Emirates-Cabo Verde		470
United Arab Emirates-Cambodia		10,031
United Arab Emirates-Cameroon	17	
United Arab Emirates-Canada	215,472	
United Arab Emirates-Central African Republic		442
United Arab Emirates-Chad		6,958
United Arab Emirates-China		729,466
United Arab Emirates-Comoros		226
United Arab Emirates-Congo		58
United Arab Emirates-Croatia	1,560	
United Arab Emirates-Cyprus	19,629	
United Arab Emirates-Czechia	51,349	
United Arab Emirates-Democratic Republic of the Congo	806	
United Arab Emirates-Denmark	128,401	
United Arab Emirates-Djibouti		5,681
United Arab Emirates-Egypt		332,662
United Arab Emirates-Equatorial Guinea	666	
United Arab Emirates-Eritrea		4,150
United Arab Emirates-Estonia	521	
United Arab Emirates-Eswatini		42
United Arab Emirates-Ethiopia		142,564
United Arab Emirates-Finland	6,635	
United Arab Emirates-France	418,810	
United Arab Emirates-Gabon	806	
United Arab Emirates-Gambia		264
United Arab Emirates-Georgia	24,574	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates-Germany	790,822	
United Arab Emirates-Ghana	66,436	
United Arab Emirates-Greece	45,278	
United Arab Emirates-Guinea		39,894
United Arab Emirates-Hungary	30,950	
United Arab Emirates-Iceland	299	
United Arab Emirates-India		1,214,894
United Arab Emirates-Indonesia	172,217	
United Arab Emirates-Iran (Islamic Republic of)		45,780
United Arab Emirates-Iraq		65,552
United Arab Emirates-Ireland	70,662	
United Arab Emirates-Israel	42,034	
United Arab Emirates-Italy	273,153	
United Arab Emirates-Japan	204,509	
United Arab Emirates-Jordan		125,755
United Arab Emirates-Kazakhstan	52,703	
United Arab Emirates-Kenya	123,745	
United Arab Emirates-Kuwait		62,751
United Arab Emirates-Kyrgyzstan		15,106
United Arab Emirates-Latvia	2,773	
United Arab Emirates-Lebanon		133,307
United Arab Emirates-Libya		127
United Arab Emirates-Lithuania	89	
United Arab Emirates-Luxembourg	96,756	
United Arab Emirates-Malawi		12,410
United Arab Emirates-Malaysia	164,456	
United Arab Emirates-Maldives		175,076
United Arab Emirates-Mali		236*
United Arab Emirates-Malta	1,198	
United Arab Emirates-Mauritania		628
United Arab Emirates-Mauritius		33,027
United Arab Emirates-Mongolia		739
United Arab Emirates-Montenegro	2,509	
United Arab Emirates-Morocco		101,455
United Arab Emirates-Mozambique		23*
United Arab Emirates-Myanmar		3,418
United Arab Emirates-Nepal		55,351
United Arab Emirates-Netherlands	392,084	
United Arab Emirates-New Zealand	10,213	
United Arab Emirates-Niger		57
United Arab Emirates-Nigeria	67,192	
United Arab Emirates-North Macedonia	52	
United Arab Emirates-Norway	26,517	
United Arab Emirates-Oman		18,498
United Arab Emirates-Pakistan		338,417

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates-Philippines	236,215	
United Arab Emirates-Poland	50,057	
United Arab Emirates-Portugal	55,033	
United Arab Emirates-Qatar	28,185	
United Arab Emirates-Republic of Korea	173,291	
United Arab Emirates-Republic of Moldova	97	
United Arab Emirates-Romania	23,057	
United Arab Emirates-Russian Federation		240,853
United Arab Emirates-Rwanda	16,294	
United Arab Emirates-Saudi Arabia	232,821	
United Arab Emirates-Senegal		14,686
United Arab Emirates-Serbia	17,244	
United Arab Emirates-Seychelles		46,594
United Arab Emirates-Sierra Leone		337
United Arab Emirates-Singapore	308,073	
United Arab Emirates-Slovakia	985	
United Arab Emirates-Slovenia	1,956	
United Arab Emirates-Somalia		2,792
United Arab Emirates-South Africa		177,265
United Arab Emirates-South Sudan		4,948
United Arab Emirates-Spain	256,615	
United Arab Emirates-Sri Lanka		91,727
United Arab Emirates-Sudan		66,345
United Arab Emirates-Sweden	38,210	
United Arab Emirates-Switzerland	195,171	
United Arab Emirates-Syrian Arab Republic		9,417
United Arab Emirates-Tajikistan		5,309
United Arab Emirates-Thailand	229,075	
United Arab Emirates-Timor-Leste		697
United Arab Emirates-Togo		320
United Arab Emirates-Tunisia		34,218
United Arab Emirates-Türkiye	259,263	
United Arab Emirates-Turkmenistan		3,154
United Arab Emirates-Uganda	53,864	
United Arab Emirates-Ukraine	78,048	
United Arab Emirates-United Kingdom	806,481	
United Arab Emirates-United Republic of Tanzania	47,404	
United Arab Emirates-United States	1,532,796	
United Arab Emirates-Uzbekistan		25,605
United Arab Emirates-Viet Nam		272,909
United Arab Emirates-Yemen		1,165
United Arab Emirates-Zambia	39,037*	
United Arab Emirates-Zimbabwe		918
United Kingdom-Afghanistan	958	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom-Albania	16,240	
United Kingdom-Algeria		1,679
United Kingdom-Angola		159
United Kingdom-Antigua and Barbuda		59,176
United Kingdom-Argentina		4,900
United Kingdom-Armenia	70	
United Kingdom-Australia	-	
United Kingdom-Austria	25,061	
United Kingdom-Azerbaijan	7,582	
United Kingdom-Bahamas		27,437
United Kingdom-Bahrain		74,736
United Kingdom-Bangladesh		47*
United Kingdom-Barbados		110,498
United Kingdom-Belarus		1,137
United Kingdom-Belgium	45,742	
United Kingdom-Belize		14
United Kingdom-Bosnia and Herzegovina	114	
United Kingdom-Botswana	51	
United Kingdom-Brazil		43,706
United Kingdom-Brunei Darussalam		3,276
United Kingdom-Bulgaria	55,051	
United Kingdom-Cabo Verde		5,847
United Kingdom-Cambodia		-
United Kingdom-Cameroon	21	
United Kingdom-Canada	325,691	
United Kingdom-Chile		4,262
United Kingdom-China		913,396
United Kingdom-Colombia		74
United Kingdom-Costa Rica	3,638	
United Kingdom-Croatia	33,847	
United Kingdom-Cuba		2,525
United Kingdom-Cyprus	107,457	
United Kingdom-Czechia	17,850	
United Kingdom-Denmark	32,245	
United Kingdom-Dominica		4
United Kingdom-Dominican Republic	7,928	
United Kingdom-Ecuador		17
United Kingdom-Egypt		53,542
United Kingdom-Equatorial Guinea	26	
United Kingdom-Estonia	4,918	
United Kingdom-Ethiopia		48,094
United Kingdom-Finland	33,162	
United Kingdom-France	146,515	
United Kingdom-Gabon	430	
United Kingdom-Gambia		1,799

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom-Georgia	1,045	
United Kingdom-Germany	263,156	
United Kingdom-Ghana	46,571	
United Kingdom-Greece	307,244	
United Kingdom-Guinea		29
United Kingdom-Guyana	5	
United Kingdom-Haiti		484
United Kingdom-Hungary	33,425	
United Kingdom-Iceland	32,086	
United Kingdom-India		412,973
United Kingdom-Indonesia	711	
United Kingdom-Iran (Islamic Republic of)		10,519
United Kingdom-Iraq		365
United Kingdom-Ireland	105,423	
United Kingdom-Israel	65,917	
United Kingdom-Italy	204,983	
United Kingdom-Jamaica	56,679	
United Kingdom-Japan	234,717	
United Kingdom-Jordan		20,654
United Kingdom-Kazakhstan	16,300	
United Kingdom-Kenya	63,803	
United Kingdom-Kuwait		26,999
United Kingdom-Latvia	21,926	
United Kingdom-Lebanon		15,323
United Kingdom-Lithuania	32,859	
United Kingdom-Luxembourg	16,586	
United Kingdom-Malaysia	68,867	
United Kingdom-Maldives		36,859
United Kingdom-Malta	44,982	
United Kingdom-Mauritania		67
United Kingdom-Mauritius		26,414
United Kingdom-Mexico	108,575	
United Kingdom-Mongolia		118
United Kingdom-Montenegro	1,049	
United Kingdom-Morocco		17,084
United Kingdom-Netherlands	87,810	
United Kingdom-Nicaragua		8
United Kingdom-Nigeria	135,464	
United Kingdom-North Macedonia	2,879	
United Kingdom-Norway	28,270	
United Kingdom-Oman		22,995
United Kingdom-Pakistan		106,783
United Kingdom-Panama		22
United Kingdom-Paraguay		31
United Kingdom-Peru		589

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom-Philippines	4,061	
United Kingdom-Poland	151,450	
United Kingdom-Portugal	230,385	
United Kingdom-Qatar	316,168	
United Kingdom-Republic of Korea	73,110	
United Kingdom-Republic of Moldova	14,192	
United Kingdom-Romania	118,500	
United Kingdom-Russian Federation		39,317
United Kingdom-Rwanda	319*	
United Kingdom-Saint Kitts and Nevis		230
United Kingdom-Saint Lucia		31,882
United Kingdom-Saint Vincent and the Grenadines		936
United Kingdom-Saudi Arabia	79,270	
United Kingdom-Senegal		26,838
United Kingdom-Serbia	4,690	
United Kingdom-Seychelles		237
United Kingdom-Sierra Leone		97
United Kingdom-Singapore	315,718	
United Kingdom-Slovakia	13,747	
United Kingdom-Slovenia	1,476	
United Kingdom-South Africa		136,036
United Kingdom-South Sudan		-
United Kingdom-Spain	936,862	
United Kingdom-Sri Lanka		33,202
United Kingdom-Sudan		161
United Kingdom-Sweden	29,302	
United Kingdom-Switzerland	52,470	
United Kingdom-Thailand	123,857	
United Kingdom-Togo		237
United Kingdom-Tunisia		1,582
United Kingdom-Türkiye	180,435	
United Kingdom-Turkmenistan		-
United Kingdom-Uganda	336	
United Kingdom-Ukraine	19,115	
United Kingdom-United Arab Emirates	672,715	
United Kingdom-United Republic of Tanzania	39*	
United Kingdom-United States	3,198,571	
United Kingdom-Uruguay		-
United Kingdom-Uzbekistan		5,752
United Kingdom-Venezuela (Bolivarian Republic of)		43
United Kingdom-Viet Nam		637*
United Kingdom-Zimbabwe		364
United Republic of Tanzania-Algeria		17
United Republic of Tanzania-Angola		64

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Republic of Tanzania-Austria	38	
United Republic of Tanzania-Belgium	48	
United Republic of Tanzania-Benin	41	
United Republic of Tanzania-Burundi		15
United Republic of Tanzania-China		355
United Republic of Tanzania-Comoros		4,150
United Republic of Tanzania-Cyprus	13*	
United Republic of Tanzania-Czechia	-	
United Republic of Tanzania-Democratic Republic of the Congo	30	
United Republic of Tanzania-Egypt		6,159
United Republic of Tanzania-Ethiopia		24,853
United Republic of Tanzania-France	140	
United Republic of Tanzania-Germany	165*	
United Republic of Tanzania-Greece	90	
United Republic of Tanzania-India		10,514
United Republic of Tanzania-Israel	1,262	
United Republic of Tanzania-Kenya	10,952	
United Republic of Tanzania-Luxembourg	31	
United Republic of Tanzania-Madagascar	123	
United Republic of Tanzania-Malawi		-
United Republic of Tanzania-Malaysia	344	
United Republic of Tanzania-Maldives		43
United Republic of Tanzania-Malta	29	
United Republic of Tanzania-Mauritius		19*
United Republic of Tanzania-Mozambique		47*
United Republic of Tanzania-Namibia	60	
United Republic of Tanzania-Netherlands	47,580	
United Republic of Tanzania-Niger		-
United Republic of Tanzania-Nigeria	55	
United Republic of Tanzania-Oman		18*
United Republic of Tanzania-Poland	3,554*	
United Republic of Tanzania-Qatar	-	
United Republic of Tanzania-Romania	264	
United Republic of Tanzania-Russian Federation		25,091
United Republic of Tanzania-Rwanda	1,624	
United Republic of Tanzania-Seychelles		57
United Republic of Tanzania-South Africa		4,525
United Republic of Tanzania-Spain	44	
United Republic of Tanzania-Switzerland	3,129	
United Republic of Tanzania-Türkiye	13,861	
United Republic of Tanzania-Uganda	572	
United Republic of Tanzania-United Arab Emirates	43,734	
United Republic of Tanzania-United Kingdom	35*	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Republic of Tanzania-Zambia	39	
United Republic of Tanzania-Zimbabwe		1,672*
United States-Albania	30	
United States-Algeria		310*
United States-Antigua and Barbuda		40,985
United States-Argentina		348,621
United States-Armenia	-	
United States-Australia	873,358	
United States-Austria	105,833	
United States-Azerbaijan	87,922	
United States-Bahamas		136,576
United States-Bahrain		93,323
United States-Bangladesh		291
United States-Barbados		44,483
United States-Belgium	840,919	
United States-Belize		51,048
United States-Benin	-	
United States-Bolivia (Plurinational State of)		53,951
United States-Bosnia and Herzegovina	438	
United States-Brazil		1,012,357
United States-Brunei Darussalam		909
United States-Bulgaria	61,596	
United States-Cabo Verde		672
United States-Canada	849,040	
United States-Chile		420,989
United States-China		6,036,563
United States-Colombia		509,891
United States-Cook Islands		-
United States-Costa Rica	363,841	
United States-Croatia	15,135	
United States-Cuba		11,934
United States-Cyprus	514	
United States-Czechia	962	
United States-Denmark	177,596	
United States-Djibouti		357
United States-Dominica		163
United States-Dominican Republic	872,648	
United States-Ecuador		225,563
United States-Egypt		118,017
United States-El Salvador	318,839	
United States-Eritrea		230
United States-Estonia	9,861	
United States-Ethiopia		185,494
United States-Fiji		39,227
United States-Finland	72,097	

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United States-France	1,413,222	
United States-Gabon	55	
United States-Georgia	667	
United States-Germany	2,827,750	
United States-Ghana	77,324	
United States-Greece	206,764	
United States-Grenada		19,218
United States-Guatemala	174,829	
United States-Guyana	61,577	
United States-Haiti		71,859
United States-Honduras	112,503	
United States-Hungary	963	
United States-Iceland	156,674	
United States-India		826,769
United States-Indonesia	2,990	
United States-Iraq		3,517
United States-Ireland	234,009	
United States-Israel	508,901	
United States-Italy	565,928	
United States-Jamaica	307,666	
United States-Japan	4,490,320	
United States-Jordan		79,700
United States-Kazakhstan	2,527	
United States-Kenya	994*	
United States-Kuwait		9,749
United States-Lao People's Democratic Republic		50
United States-Latvia	2,651	
United States-Lebanon		455
United States-Lithuania	405	
United States-Luxembourg	603,067	
United States-Malaysia	604	
United States-Malta	2,958	
United States-Marshall Islands	7,050	
United States-Mauritania		115
United States-Mexico	3,373,972	
United States-Micronesia (Federated States of)		3,293
United States-Montenegro	444	
United States-Morocco		50,877
United States-Nauru		32
United States-Netherlands	1,666,830	
United States-New Zealand	182,455	
United States-Nicaragua		24,216
United States-Nigeria	86,562	
United States-Norway	23,889	
United States-Palau		1,815

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United States-Panama		328,668
United States-Papua New Guinea	308	
United States-Paraguay		29,479
United States-Peru		349,699
United States-Philippines	269,278	
United States-Poland	124,981	
United States-Portugal	162,340	
United States-Qatar	1,411,086	
United States-Republic of Korea	5,284,763	
United States-Republic of Moldova	43	
United States-Romania	1,048	
United States-Russian Federation		257,476
United States-Saint Kitts and Nevis		6,986
United States-Saint Lucia		58,536
United States-Saint Vincent and the Grenadines		4,637
United States-Saudi Arabia	122,008	
United States-Senegal		32,214
United States-Serbia	23,399	
United States-Singapore	332,315	
United States-Slovakia	37	
United States-Slovenia	41	
United States-South Africa		69,151
United States-Spain	465,508	
United States-Sudan		178
United States-Suriname		6,686
United States-Sweden	25,480	
United States-Switzerland	327,550	
United States-Thailand	11,536	
United States-Togo		45,344
United States-Trinidad and Tobago		40,900
United States-Türkiye	963,067	
United States-Turkmenistan		-
United States-Ukraine	33,063	
United States-United Arab Emirates	1,670,414	
United States-United Kingdom	2,766,607	
United States-Uruguay		23,456
United States-Uzbekistan		14,764
United States-Venezuela (Bolivarian Republic of)		24
United States-Viet Nam		14,238
Uruguay-Argentina		2,509
Uruguay-Bolivia (Plurinational State of)		45
Uruguay-Brazil		6,481
Uruguay-Cabo Verde		-
Uruguay-Chile		4,718
Uruguay-Colombia		71

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uruguay-Côte d'Ivoire		647
Uruguay-Dominican Republic		195
Uruguay-Ecuador		366
Uruguay-Germany		-
Uruguay-Mexico		40
Uruguay-Panama		28,400
Uruguay-Paraguay		51
Uruguay-Peru		2,163
Uruguay-Portugal		55
Uruguay-Spain		53,928
Uruguay-Switzerland		-
Uruguay-United Kingdom		-
Uruguay-United States		18,011
Uzbekistan-Afghanistan		672
Uzbekistan-Armenia		154
Uzbekistan-Austria		91
Uzbekistan-Azerbaijan		282
Uzbekistan-Belarus		10,549
Uzbekistan-Belgium		3,358
Uzbekistan-Bulgaria		48
Uzbekistan-China		58,089
Uzbekistan-Cyprus		36
Uzbekistan-Czechia		4,743
Uzbekistan-Egypt		7,972*
Uzbekistan-France		8,999
Uzbekistan-Georgia		1,622*
Uzbekistan-Germany		11,786
Uzbekistan-Greece		513
Uzbekistan-Hungary		235
Uzbekistan-India		7,797
Uzbekistan-Indonesia		38
Uzbekistan-Iran (Islamic Republic of)		11
Uzbekistan-Iraq		-
Uzbekistan-Israel		1,733
Uzbekistan-Italy		1,028
Uzbekistan-Japan		815
Uzbekistan-Jordan		71
Uzbekistan-Kazakhstan		15,345
Uzbekistan-Kuwait		1,272
Uzbekistan-Kyrgyzstan		1,143
Uzbekistan-Latvia		1,913
Uzbekistan-Lithuania		33*
Uzbekistan-Maldives		938
Uzbekistan-Mongolia		32
Uzbekistan-Myanmar		41

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uzbekistan-Netherlands		8,063
Uzbekistan-Oman		-
Uzbekistan-Pakistan		561
Uzbekistan-Poland		136
Uzbekistan-Qatar		-
Uzbekistan-Republic of Korea		36,423
Uzbekistan-Russian Federation		220,477
Uzbekistan-Saudi Arabia		989
Uzbekistan-Seychelles		134
Uzbekistan-Slovakia		16
Uzbekistan-Spain		2,290
Uzbekistan-Sweden		106
Uzbekistan-Switzerland		1,087
Uzbekistan-Tajikistan		1,478
Uzbekistan-Thailand		835
Uzbekistan-Türkiye		120,678
Uzbekistan-Turkmenistan		36
Uzbekistan-Ukraine		2,753
Uzbekistan-United Arab Emirates		26,030
Uzbekistan-United Kingdom		11,884
Uzbekistan-United States		14,637
Uzbekistan-Viet Nam		200
Vanuatu-China		42
Vanuatu-Fiji		-
Vanuatu-France		8
Vanuatu-Solomon Islands		-
Venezuela (Bolivarian Republic of)-Antigua and Barbuda		3
Venezuela (Bolivarian Republic of)-Argentina		254
Venezuela (Bolivarian Republic of)-Bahamas		32
Venezuela (Bolivarian Republic of)-Brazil		312
Venezuela (Bolivarian Republic of)-Cabo Verde		1,282
Venezuela (Bolivarian Republic of)-Chile		205
Venezuela (Bolivarian Republic of)-Colombia		92
Venezuela (Bolivarian Republic of)-Cuba		3,958
Venezuela (Bolivarian Republic of)-Dominican Republic		221
Venezuela (Bolivarian Republic of)-Ecuador		17*
Venezuela (Bolivarian Republic of)-France		153
Venezuela (Bolivarian Republic of)-Germany		141
Venezuela (Bolivarian Republic of)-Ghana		806
Venezuela (Bolivarian Republic of)-Guinea		-
Venezuela (Bolivarian Republic of)-Haiti		8
Venezuela (Bolivarian Republic of)-Iran (Islamic Republic of)		1,075

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Venezuela (Bolivarian Republic of)-Mexico		3,777
Venezuela (Bolivarian Republic of)-Netherlands		5
Venezuela (Bolivarian Republic of)-Nicaragua		162
Venezuela (Bolivarian Republic of)-Panama		10,551
Venezuela (Bolivarian Republic of)-Paraguay		91
Venezuela (Bolivarian Republic of)-Peru		166
Venezuela (Bolivarian Republic of)-Portugal		7,445
Venezuela (Bolivarian Republic of)-Republic of Korea		181
Venezuela (Bolivarian Republic of)-Russian Federation		10,444
Venezuela (Bolivarian Republic of)-Spain		5,963
Venezuela (Bolivarian Republic of)-Türkiye		43,711
Venezuela (Bolivarian Republic of)-United Kingdom		53
Venezuela (Bolivarian Republic of)-United States		20
Viet Nam-Angola		-
Viet Nam-Australia		-
Viet Nam-Austria		-
Viet Nam-Azerbaijan		5,743*
Viet Nam-Bangladesh		-
Viet Nam-Belgium		-
Viet Nam-Brunei Darussalam		101*
Viet Nam-Cambodia		229
Viet Nam-China		362,137
Viet Nam-Cyprus		-
Viet Nam-Democratic People's Republic of Korea		-
Viet Nam-Egypt		11,704
Viet Nam-Estonia		9,120
Viet Nam-Ethiopia		16,968
Viet Nam-Finland		234*
Viet Nam-France		-
Viet Nam-Germany		32,935
Viet Nam-India		60,416
Viet Nam-Indonesia		8,995
Viet Nam-Italy		782*
Viet Nam-Japan		257,129
Viet Nam-Jordan		-
Viet Nam-Kazakhstan		277*
Viet Nam-Kenya		-
Viet Nam-Lao People's Democratic Republic		-
Viet Nam-Latvia		55
Viet Nam-Malaysia		29,738
Viet Nam-Maldives		124
Viet Nam-Mongolia		734

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Viet Nam-Myanmar		707*
Viet Nam-Netherlands		-
Viet Nam-Norway		-
Viet Nam-Oman		-
Viet Nam-Pakistan		419
Viet Nam-Philippines		13,866
Viet Nam-Qatar		-
Viet Nam-Republic of Korea		273,288
Viet Nam-Romania		-
Viet Nam-Russian Federation		30,676
Viet Nam-Saudi Arabia		5,795
Viet Nam-Singapore		68,396
Viet Nam-Spain		-
Viet Nam-Sri Lanka		4,225
Viet Nam-Sweden		-
Viet Nam-Switzerland		243
Viet Nam-Thailand		39,242
Viet Nam-Türkiye		58,507*
Viet Nam-Turkmenistan		-
Viet Nam-United Arab Emirates		271,703
Viet Nam-United Kingdom		13,430
Viet Nam-United States		25,083
Viet Nam-Uzbekistan		200
Yemen-Djibouti		541
Yemen-Egypt		14,794
Yemen-Ethiopia		436
Yemen-India		574
Yemen-Jordan		2,587
Yemen-Kuwait		17
Yemen-Saudi Arabia		3,149
Yemen-Sudan		1,998
Yemen-United Arab Emirates		779
Zambia-Belgium	34	
Zambia-Cameroon	29	
Zambia-Central African Republic		265
Zambia-Cyprus	24	
Zambia-Democratic Republic of the Congo	764	
Zambia-Ethiopia		17,167
Zambia-Gabon	-	
Zambia-India		-
Zambia-Kenya	8,037	
Zambia-Kuwait		52
Zambia-Luxembourg	35	
Zambia-Madagascar	190	
Zambia-Malawi		1,663

State Pair	2021 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Zambia-Mozambique		19
Zambia-Namibia	5*	
Zambia-Niger		-
Zambia-Nigeria	38	
Zambia-Portugal	136	
Zambia-Qatar	-	
Zambia-Russian Federation		93
Zambia-Rwanda	10*	
Zambia-Saudi Arabia	-	
Zambia-South Africa		20,024
Zambia-Switzerland	152	
Zambia-Türkiye	1,761	
Zambia-Uganda	34	
Zambia-United Arab Emirates	33,029	
Zambia-United Republic of Tanzania	1,162	
Zambia-Zimbabwe		7,246
Zimbabwe-Angola		15
Zimbabwe-Azerbaijan		70
Zimbabwe-Botswana		954
Zimbabwe-Chad		14
Zimbabwe-Egypt		63
Zimbabwe-Ethiopia		12,523*
Zimbabwe-Ghana		40*
Zimbabwe-Italy		66
Zimbabwe-Kenya		14,658
Zimbabwe-Madagascar		219
Zimbabwe-Maldives		-
Zimbabwe-Mauritius		14
Zimbabwe-Mozambique		31*
Zimbabwe-Namibia		58
Zimbabwe-Pakistan		158
Zimbabwe-Rwanda		697
Zimbabwe-Seychelles		26
Zimbabwe-South Africa		29,034
Zimbabwe-Switzerland		35
Zimbabwe-Tunisia		36
Zimbabwe-Uganda		37
Zimbabwe-United Arab Emirates		422
Zimbabwe-United Kingdom		340
Zimbabwe-United Republic of Tanzania		41
Zimbabwe-Zambia		9,855

End of Part III - Table 1

Part III - Table 2: Total annual CO₂ Emissions aggregated for each aeroplane operator

Last update: 28/Oct/2022

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Albawings	Albania	21,867	21,867		
Air Algerie	Algeria	-	-	-	Yes
Tassili Airlines	Algeria	-		-	Yes
TAAG ANGOLA AIRLINES	Angola	70,414		70,414	
Aerolíneas Argentinas S.A	Argentina	287,006		287,006	Yes
Aircompany Armenia LLC	Armenia	36,008	3,791	32,217	
Qantas Airways Pty Ltd	Australia	-	-	-	Yes
Tasman Cargo Airlines Pty Ltd	Australia	-	-		
Jetstar Airways Pty Ltd	Australia	-	-	-	Yes
Austrian Airlines AG	Austria	-	-	-	
Avcon Jet AG	Austria	-	-	-	
International Jet Management GmbH	Austria	-	-	-	
Easyjet Europe Airline GmbH	Austria	-	-	-	
Global Jet Austria	Austria	-	-	-	
MJet GmbH	Austria	-	-	-	
Sparfell Luftfahrt GmbH	Austria	-	-	-	
“Silk Way Airlines” LLC	Azerbaijan	209,250	79,193	130,057	
ASG “Business Aviation”	Azerbaijan	10,930	8,267	2,663	Yes
“Silk Way West Airlines” LLC	Azerbaijan	1,546,021	962,323	583,698	
Azerbaijan Airlines	Azerbaijan	128,669	101,495	27,174	
Bahamasair Holdings Ltd.	Bahamas	-		-	Yes
Gulf Air B.S.C.	Bahrain	628,801	7,463	621,339	Yes
DHL Aviation EEMEA B.S.C	Bahrain	287,303	1,160	286,143	
Biman Bangladesh Airlines Limited	Bangladesh	-	-	-	
US-Bangla Airlines Limited	Bangladesh	-		-	
Belavia Belarusian Airlines	Belarus	-	-	-	
Transaviaexport Airlines	Belarus	-	-	-	Yes
RubyStar Airways	Belarus	-	-	-	Yes
Rada Airlines	Belarus	-	-	-	
ABELAG AVIATION	Belgium	12,470	10,912	1,558	
AIR BELGIUM	Belgium	211,171	179,678	31,493	
ASL AIRLINES BELGIUM	Belgium	1,079,027	395,946	683,081	
BRUSSELS AIRLINES	Belgium	850,216	688,169	162,047	
FLYING SERVICE	Belgium	14,626	10,474	4,152	
TUI AIRLINES BELGIUM (TUIFLY)	Belgium	387,389	285,763	101,626	
CHALLENGE AIRLINES (BE) S.A.	Belgium	229,022	117,765	111,257	
BOLIVIANA DE AVIACIÓN	Bolivia (Plurinational State of)	156,164	317	155,847	
TRANSPORTES AÉREOS BOLIVIANOS	Bolivia (Plurinational State of)	24,581	81	24,500	
ABSA AEROLINHAS BRASILEIRAS S/A	Brazil	178,369	245	178,125	Yes
Azul Linhas Aéreas Brasileiras S/A	Brazil	224,317	60	224,257	Yes
GOL LINHAS AEREAS S.A	Brazil	12,017	653	11,364	Yes
TAM LINHAS AEREAS S.A.	Brazil	613,399	2,237	611,163	Yes
Transportes Aéreos de Cabo Verde (TACV Cabo Verde Airlines)	Cabo Verde	238	79	159	Yes

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
LANMEI AIRLINES(CAMBODIA)Co.,LtdLAN MEI	Cambodia	35,669		35,669	Yes
AirSprint Inc.	Canada	14,503	13,308	1,195	Yes
Porter Airlines Inc.	Canada	11,288	11,288		
Air Canada	Canada	3,712,892	2,943,998	768,894	Yes
Air Transat	Canada	107,671	93,273	14,398	Yes
Cargojet Airways Ltd.	Canada	375,124	363,464	11,660	
Exeaire, a division of I.M.P Group Limited	Canada	13,898	12,179	1,719	
Jazz Aviation LP	Canada	177,684	177,684		Yes
Skyservice Business Aviation Inc.	Canada	14,792	12,274	2,518	Yes
Sunwing Airlines Inc.	Canada	91,559	76,291	15,269	Yes
Swoop Inc.	Canada	16,705	16,705		Yes
WestJet Airlines Ltd.	Canada	344,758	335,742	9,016	Yes
Jet Smart SPA	Chile	33,757	153	33,604	
LATAM AIRLINES GROUP S.A	Chile	842,735	10,365	832,370	
LATAM CARGO CHILE	Chile	335,004	56,941	278,063	
SKY AIRLINE S.A.	Chile	38,786	805	37,981	
Air China Co., Ltd.	China	-	-	-	
Air China Cargo Ltd.	China	-	-	-	
China Eastern Airlines Co., Ltd.	China	-	-	-	
China Cargo Airlines Ltd.	China	-	-	-	
China Southern Airlines Co., Ltd.	China	-	-	-	
Xiamen Air Ltd.	China	-	-	-	
Hainan Airlines Holding Co., Ltd.	China	-	-	-	
Tianjin Airlines Ltd.	China	-	-	-	
Beijing Capital Airlines Ltd.	China	-	-	-	
Suparna Airlines Co., Ltd.	China	-	-	-	
Yunnan Lucky Air Ltd.	China	-	-	-	
Shandong Airlines Co., Ltd.	China	-	-	-	
Shanghai Airlines Ltd.	China	-	-	-	
Shenzhen Airlines Ltd.	China	-	-	-	
Sichuan Airlines Co., Ltd.	China	-	-	-	
Spring Airlines Co., Ltd.	China	-	-	-	
Shanghai Juneyao Airlines Co., Ltd.	China	-	-	-	
SF Airlines Ltd.	China	-	-	-	
Zhejiang Loong Air Ltd.	China	-	-	-	
Hangzhou Yuantong Air Freight Ltd.	China	-	-	-	
China Airlines Co., Ltd.	China	-	-	-	
EVA Air Co., Ltd.	China	-	-	-	
Tigerair Taiwan	China	-	-	-	
Cathay Pacific Airways Ltd.	China	-	-	-	
AHK Air Hong Kong Ltd.	China	-	-	-	
HK Express Airways Ltd.	China	-	-	-	
Hong Kong Airlines Ltd	China	-	-	-	
Hong Kong Air Cargo Ltd.	China	-	-	-	
Air Macau Co., Ltd.	China	-	-	-	
Hong Kong Bellawings Jet Ltd.	China	-	-	-	
TAG Aviation Asia Ltd.	China	-	-	-	
China Postal Airlines Ltd.	China	-	-	-	
Tianjin Air Cargo Co., Ltd.	China	-	-	-	
Kunming Airlines Ltd.	China	-	-	-	

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Qingdao Airlines Co., Ltd.	China	-		-	
Zhongyuan Longhao Airlines Co., Ltd.	China	-		-	
Beijing Airlines Co., Ltd	China	-	-	-	
Guangxi Beibu Gulf Airlines Co., Ltd	China	-		-	
9 Air Co., Ltd	China	-		-	
Ruili Airlines Co., Ltd	China	-		-	
Central Airlines Co., Ltd	China	-		-	
Colorful Guizhou Airlines Co., Ltd	China	-	-	-	
China Express Airlines Co., Ltd	China	-	-	-	
Chongqing Airlines Ltd.	China	-		-	
AIR Travel Co., Ltd	China	-	-	-	
West Air Ltd.	China	-		-	
Tibet Airlines Ltd.	China	-	-		
STARLUX Airlines	China	-		-	
AEROVIAS DEL CONTINENTE AMERICANO S.A. "AVIANCA" / "AVIANCA CARGO"	Colombia	471,484		471,484	
AEROREPUBLICA S.A.	Colombia	38,870		38,870	
AEROSUCRE S.A.	Colombia	14,437		14,437	Yes
AEROVIAS DE INTEGRACIÓN REGIONAL S.A. Y/O LATAM AIRLINES COLOMBIA	Colombia	128		128	
FAST COLOMBIA S.A.S.	Colombia	28,263		28,263	
LINEA AÉREA CARGUERA DE COLOMBIA S.A.	Colombia	52,464		52,464	
LINEAS AÉREAS SURAMERICANAS S.A.	Colombia	21,889		21,889	Yes
Air Côte d'Ivoire	Côte d'Ivoire	-	-	-	
Croatia Airlines	Croatia	80,371	79,966	405	
CUBANA DE AVIACIÓN S.A.	Cuba	42,657		42,657	Yes
Cyprus Airways	Cyprus	-	-	-	
CZECH AIRLINES	Czechia	28,272	21,772	6,500	
SMARTWINGS A.S.	Czechia	332,623	241,005	91,618	
ABS JETS INC.	Czechia	11,925	9,269	2,657	
Danish Air Transport	Denmark	12,235	10,959	1,276	
Jet Time	Denmark	40,800	38,744	2,056	
Air Alsie	Denmark	21,867	18,889	2,978	
Star Air	Denmark	100,592	100,562	30	
Atlantic Airways	Denmark	11,145	11,040	105	
Sunclass Airlines	Denmark	142,681	137,459	5,222	
Great Dane Airlines	Denmark	16,458	16,299	159	
Helicópteros Dominicanos S.A.	Dominican Republic	25,556	15,743	9,813	Yes
AEROLANE LINEAS AÉREAS DEL ECUADOR S.A.	Ecuador	9,433		9,433	Yes
AVIANCA ECUADOR	Ecuador	33,197		33,197	
Egyptair Airlines	Egypt	-	-	-	
Air Cairo	Egypt	-	-	-	
FlyEgypt	Egypt	-	-	-	
Air Arabia Egypt	Egypt	-		-	Yes
Nile Air	Egypt	-		-	
AlMasria Universal Airlines	Egypt	-	-	-	
Taca International Airlines S.A.	El Salvador	342,983	285,185	57,798	

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Smartlynx Airlines Estonia	Estonia	-	-	-	
Ethiopian Airlines Group	Ethiopia	5,378,847	431,930	4,946,917	
Fiji Airways	Fiji	-	-	-	
Finnair Oyj	Finland	-	-	-	
Air Austral	France	26,715	23,918	2,797	
Air Caraïbes	France	49,930	40,409	9,520	
Air France	France	6,889,990	4,872,010	2,017,979	
Air Tahiti Nui	France	157,515	157,515		
Airbus Transport International	France	66,138	65,696	442	
ASL Airlines France	France	42,355	24,850	17,505	
Corsair	France	79,780	66,032	13,747	
French Bee	France	64,333	64,333		
Dreamjet SAS	France	19,250	18,941	309	
Transavia France	France	529,568	366,360	163,208	
Air Calédonie International	France	69,927	69,137	789	
Airline Geo Sky LLC	Georgia	155,398	59,199	96,199	Yes
Georgian Airways LTD	Georgia	38,778	28,832	9,946	Yes
Aerologic GmbH	Germany	2,421,729	1,259,729	1,162,000	
Air Hamburg Luftverkehrsgesellschaft mbH	Germany	134,946	90,516	44,430	
Condor Flugdienst GmbH	Germany	873,239	714,693	158,546	
DC Aviation GmbH	Germany	13,801	10,603	3,198	
Deutsche Lufthansa AG	Germany	6,442,518	5,058,357	1,384,161	
European Air Transport Leipzig GmbH	Germany	1,458,116	1,363,051	95,065	
Eurowings GmbH	Germany	904,400	874,021	30,379	
K5-Aviation GmbH	Germany	24,640	18,343	6,297	
Lufthansa Cargo AG	Germany	1,378,896	939,369	439,527	
Sundair GmbH	Germany	104,741	69,069	35,672	
TUIfly GmbH	Germany	437,651	404,702	32,949	
EW Discover GmbH	Germany	159,055	135,036	24,020	
CargoLogic Germany GmbH	Germany	26,431	21,494	4,937	
Aerowest GmbH	Germany	11,529	10,444	1,085	
FAI rent-a-jet GmbH	Germany	15,531	9,109	6,421	
AEGEAN AIRLINES	Greece	511,742	478,257	33,485	
AIR MEDITERRANEAN	Greece	18,260	10,335	7,926	
BLUEBIRD AIRWAYS	Greece	14,062	14,062		
OLYMPIC AIR	Greece	40,125	40,125		
SKY EXPRESS S.A.	Greece	46,414	46,414		
DHL de Guatemala, S.A.	Guatemala	26,397	13,862	12,536	
Wizz Air Hungary LTD	Hungary	1,884,922	1,858,472	26,450	Yes
Icelandair	Iceland	474,518	472,860	1,658	
Bluebird Ltd	Iceland	36,199	36,199		
Air Atlanta Icelandic	Iceland	602,935	459,338	143,598	
Fly Play	Iceland	25,204	25,204		
Air India Ltd.	India	-	-	-	Yes
Air India Express	India	-	-	-	Yes
Interglobe Aviation Ltd.	India	-	-	-	Yes
Spicejet	India	-	-	-	Yes
Go Airlines (India) Ltd.	India	-	-	-	Yes
TATA SIA Airlines Ltd.	India	-	-	-	Yes
My Indo Airlines	Indonesia	-	-	-	Yes

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Lion Mentari Airline	Indonesia	-	-	-	
Indonesia AirAsia	Indonesia	-	-	-	
Garuda Indonesia	Indonesia	-	-	-	
Iraqi Airways company	Iraq	-	-	-	Yes
Fly Baghdad Airline	Iraq	-	-	-	Yes
UR AIRLINES	Iraq	-	-	-	Yes
Aer Lingus	Ireland	482,856	482,856		
ASL Airlines (Ireland) Limited	Ireland	167,174	167,162	12	Yes
Ryanair DAC	Ireland	5,916,709	5,664,621	252,087	
SAS Ireland	Ireland	10,433	10,433		
Spire Flight	Ireland	18,076	12,704	5,372	Yes
Arkia Israeli Airlines Ltd.	Israel	43,309	41,950	1,359	Yes
C.A.L. - Cargo Airlines Ltd.	Israel	307,486	174,252	133,234	
El Al Israel Airlines Ltd.	Israel	861,511	718,980	142,532	
Israir Airlines @ Tourism Ltd.	Israel	71,922	68,447	3,475	
Blue Panorama Airlines S.p.A	Italy	27,536	18,828	8,708	
Cargolux Italia S.p.A.	Italy	510,022	210,685	299,337	
Neos S.p.A	Italy	306,536	94,323	212,214	
Air Dolomiti S.p.A. Linee Aeree Regionali Europee	Italy	61,380	61,312	68	
Italia Trasporto Aereo S.p.A.	Italy	75,497	63,858	11,639	
Alitalia Società Aerea Italiana S.p.A. in A.S.	Italy	404,399	327,426	76,973	
AIR JAPAN CO., LTD	Japan	-	-	-	
ALL NIPPON AIRWAYS CO., LTD.	Japan	-	-	-	
JAPAN AIRLINES CO., LTD	Japan	-	-	-	
NIPPON CARGO AIRLINES CO., LTD.	Japan	-	-	-	
ZIPAIR TOKYO INC.	Japan	-	-	-	
ALIA-The Royal Jordanian Airlines	Jordan	-	-	-	Yes
Solitaire Air (dba) Fly Jordan	Jordan	-	-	-	
JORDAN AVIATION d.b.a Jordan aviation Airlines	Jordan	-	-	-	Yes
JSC Air Astana	Kazakhstan	-	-	-	
JSC SCAT Airlines	Kazakhstan	-	-	-	Yes
QAZAQ AIR	Kazakhstan	-	-	-	Yes
Kenya Airways PLC	Kenya	-	-	-	
ASTRAL AVIATION LTD	Kenya	-	-	-	
KUWAIT AIRWAYS CORPORATION	Kuwait	625,305	1,218	624,088	
JAZEERA AIRWAYS K.S.C.P	Kuwait	202,617		202,617	
Air Baltic Corporation AS	Latvia	250,891	242,518	8,373	Yes
SmartLynx Airlines	Latvia	-	-	-	Yes
MIDDLE EAST AIRLINES - AIR LIBAN S.A.L	Lebanon	-	-	-	
GetJet Airlines	Lithuania	-	-	-	
Avion Express	Lithuania	-	-	-	
Cargolux Airlines International	Luxembourg	3,983,283	2,047,905	1,935,378	
Global Jet Luxembourg	Luxembourg	56,201	32,864	23,337	
Luxair Société de Navigation Aérienne	Luxembourg	166,802	152,118	14,684	
AIR MADAGASCAR	Madagascar	9,441	7,838	1,603	

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Malaysia Airlines Berhad	Malaysia	-	-	-	Yes
Air Asia Berhad	Malaysia	-	-	-	
Air Asia X Berhad	Malaysia	-	-	-	
Malindo Airways Sdn Bhd	Malaysia	-	-	-	
Island Aviation Services Limited	Maldives	-		-	Yes
Elitavia Malta Ltd.	Malta	18,042	7,159	10,883	Yes
Air Malta plc.	Malta	84,891	84,289	602	
VistaJet Ltd.	Malta	268,548	161,858	106,691	
Air X Charter Ltd.	Malta	105,527	36,111	69,416	
Touristic Aviation Services Ltd. dba 'Corendon Airlines Europe'	Malta	191,283	166,214	25,069	
Comlux Malta Ltd	Malta	14,490	9,672	4,818	Yes
Emperor Aviation Ltd	Malta	13,347	2,229	11,119	Yes
Hi Fly Ltd	Malta	233,025	74,853	158,171	
Freebird Airlines Europe Ltd	Malta	32,350	24,937	7,413	
TAG Aviation (Malta) Ltd	Malta	13,669	7,660	6,009	
Avcon Jet Malta Ltd	Malta	13,037	3,810	9,228	
Hyperion Aviation Ltd	Malta	14,491	9,145	5,346	Yes
Smartlynx Airlines Malta Ltd	Malta	38,126	19,922	18,204	
Air Mauritius Ltd	Mauritius	140,666	241	140,425	
AEROTRANSPORTES DE CARGA UNIÓN S.A. DE C.V.	Mexico	124,559	107,809	16,750	
AEROVIAS DE MÉXICO S.A. DE C.V.	Mexico	1,350,634	1,011,347	339,287	
AEROLITORAL S.A. DE C.V.	Mexico	115,781	113,047	2,734	
AEROTRANSPORTES MAS DE CARGA S.A. DE C.V.	Mexico	161,170	108,248	52,922	
AEROENLACES NACIONALES S.A. DE C.V.	Mexico	220,520	206,133	14,388	
CONCESIONARIO VUELA COMPAÑÍA DE AVIACIÓN S.A.P.I DE C.V.	Mexico	668,081	663,457	4,624	
AEROLÍNEAS EJECUTIVAS, S.A. DE C.V.	Mexico	22,148	21,507	641	Yes
AERONAVES TSM, S.A. DE C.V.	Mexico	64,391	58,023	6,368	
Servicios Aéreos Across, S.A. de C.V.	Mexico	13,279	12,866	413	
MIAT Mongolian Airlines	Mongolia	-	-	-	Yes
Royal Air Maroc	Morocco	-	-	-	
Air Arabia Maroc	Morocco	-	-	-	Yes
Myanmar Airways International Company Limited	Myanmar	63,912	564	63,347	Yes
Myanmar National Airlines	Myanmar	19,410	78	19,332	Yes
Nepal Airlines Corporation	Nepal	-		-	Yes
Himalaya Airlines	Nepal	-		-	Yes
Corendon Dutch Airlines B.V	Netherlands	-	-	-	
Koninklijke Luchtvaart Maatschappij N.V.	Netherlands	-	-	-	
Martinair Holland N.V	Netherlands	-	-	-	
Transavia Airlines C.V.	Netherlands	-	-	-	
TUI Airlines Nederland B.V. (TUIfly)	Netherlands	-	-	-	
Air New Zealand Ltd	New Zealand	-	-	-	

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Widerøes Flyveselskap A/S	Norway	11,510	11,510		
Norwegian Air Shuttle ASA	Norway	329,143	329,143		
Oman Air	Oman	-	-	-	
Salam Air	Oman	-		-	Yes
Pakistan International Airlines Corporation	Pakistan	515,560	1,205	514,355	
Airblue Limited	Pakistan	133,798	155	133,643	
Serene Air (Pvt) Limited	Pakistan	36,862	77	36,785	Yes
Air Niugini Ltd	Papua New Guinea	24,966	14,970	9,996	Yes
Transportes Aereos del Mercosur S.A (Db. LATAM Airlines Paraguay)	Paraguay	11,356		11,356	
Lan Perú	Peru	515,578	1,146	514,432	
PHILIPPINE AIRLINES, INC.	Philippines	1,058,063	984,961	73,102	
CEBU AIR INC.	Philippines	191,769	144,808	46,961	
Polskie Linie Lotnicze "LOT" S.A.	Poland	-	-	-	
Enter Air Sp. z o.o.	Poland	-	-	-	
AMC Aviation	Poland	-	-	-	
Jet Story Sp. z o.o.	Poland	-	-	-	
Ryanair Sun S.A.	Poland	-	-	-	
Smartwings Sp. z o.o.	Poland	-	-	-	
SprintAir S. A.	Poland	-	-	-	
EJME (PORTUGAL) Aircraft Management, Lda	Portugal	-	-	-	Yes
EUROATLANTIC Airways - Transportes Aéreos, S.A	Portugal	-	-	-	Yes
HI FLY – Transportes Aéreos, S.A.	Portugal	-	-	-	Yes
NETJETS Transportes Aéreos, S.A.	Portugal	-	-	-	Yes
SATA INTERNACIONAL Azores Airlines, S.A.	Portugal	-	-	-	Yes
TAP AIR PORTUGAL	Portugal	-	-	-	Yes
AMIRI FLIGHT	Qatar	-	-	-	
Qatar Airways (Q.C.S.C.)	Qatar	-	-	-	
Qatar Executive W.L.L.	Qatar	-	-	-	
Korean Air	Republic of Korea	7,157,088	5,837,882	1,319,206	
Asiana Airlines	Republic of Korea	2,995,066	2,260,689	734,378	
Jejuair	Republic of Korea	22,585	8,864	13,720	
T'way Air	Republic of Korea	24,502	5,359	19,143	
Air Incheon	Republic of Korea	49,675	4,290	45,384	
Jin Air	Republic of Korea	18,471	12,058	6,413	
AEROTRASCARGO SRL	Republic of Moldova	-	-	-	
CA AIR MOLDOVA SRL	Republic of Moldova	-	-	-	
FLY ONE SRL	Republic of Moldova	-	-	-	Yes
FLY PRO SRL	Republic of Moldova	-	-	-	Yes
TERRA AVIA SRL	Republic of Moldova	-	-	-	Yes
AIR BUCHAREST TRANSPORT AERIAN	Romania	13,179	4,963	8,216	
BLUE AIR TRANSPORT AERIAN	Romania	191,381	187,864	3,517	
TAROM	Romania	180,730	134,326	46,404	
RWANDAIR LIMITED	Rwanda	-	-	-	
FLYNAS	Saudi Arabia	-	-	-	
SAUDI ARABIAN AIRLINES	Saudi Arabia	-	-	-	Yes

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
SKY PRIME AVIATION SERVICES	Saudi Arabia	-	-	-	Yes
AIR SENEGAL SA	Senegal	159,792	3,428	156,364	Yes
AIR SERBIA	Serbia	-	-	-	Yes
Air Seychelles Ltd.	Seychelles	22,592	256	22,336	Yes
Singapore Airlines Limited	Singapore	6,330,917	4,556,228	1,774,689	
Scoot Tigerair Pte Ltd	Singapore	432,340	273,617	158,723	
Jetstar Asia Airways Private Limited	Singapore	61,484	51,556	9,928	
Silkair (Singapore) Private Limited	Singapore	10,001	2,685	7,316	
Smartwings Slovakia (Travel Service)	Slovakia	12,435	11,313	1,122	
SA Airlink	South Africa	143,809	9	143,799	Yes
AIR EUROPA LÍNEAS AÉREAS S.A.U.	Spain	827,445	379,826	447,620	
AIR NOSTRUM LINEAS AEREAS DEL MEDITERRANEO	Spain	110,559	104,375	6,184	
ALBA STAR S.A.	Spain	18,317	8,494	9,822	
BINTER CANARIAS, S.A.U	Spain	15,155	12,301	2,855	Yes
EVELOP AIRLINES, S.L.	Spain	119,264	93,887	25,377	
GESTAIR, S.A.U.	Spain	17,278	13,442	3,835	
IBERIA LÍNEAS AÉREAS DE ESPAÑA SA OPERADORA SU	Spain	2,566,177	1,368,331	1,197,845	
COMPAÑÍA OPERADORA DE CORTO Y MEDIO RADIO IBERIA EXPRESS S.A.	Spain	51,982	51,823	159	
PLUS ULTRA LÍNEAS AÉREAS S.A	Spain	112,445	5,343	107,102	
PRIVILEGE STYLE S.A	Spain	40,326	28,234	12,092	
SWIFTAIR, S.A.	Spain	76,859	55,713	21,146	
VOLOTEA, S.A.	Spain	124,173	123,139	1,034	
VUELING AIRLINES S.A.	Spain	670,732	646,507	24,225	
WAMOS AIR S.A.	Spain	172,660	108,152	64,509	
World 2 Fly, S.L.U.	Spain	36,215	29,389	6,826	Yes
SriLankan Airlines	Sri Lanka	720,753	19,313	701,440	
Surinam Airways	Suriname	43,299	3,473	39,826	Yes
SAS	Sweden	1,009,707	981,569	28,138	
TUIFLY NORDIC AB	Sweden	61,961	60,139	1,822	
Nova Airlines AB	Sweden	32,502	32,196	305	
WEST ATLANTIC SWEDEN AB	Sweden	32,295	32,295		
Norwegian Air Sweden AOC AB	Sweden	54,197	54,197		
easyJet Switzerland	Switzerland	326,647	304,598	22,049	
Chair Airlines AG	Switzerland	30,831	21,388	9,443	
Edelweiss Air AG	Switzerland	407,439	292,507	114,932	
Swiss International Airlines	Switzerland	2,067,681	1,423,083	644,598	
Business Jet Zurich-Airport AG	Switzerland	16,576	10,980	5,596	Yes
Nomad Aviation AG	Switzerland	11,708	6,180	5,529	Yes
K-Mile Air Company Limited	Thailand	42,386	15,227	27,159	Yes
Thai Air Asia X Company Limited	Thailand	200,703	46,951	153,752	
Thai Airways International Public Company Limited	Thailand	750,865	625,839	125,026	
Thai Lion Mentari Company Limited	Thailand	16,785	5,818	10,967	Yes
Thai Viet Jet Air Joint Stock Company Limited	Thailand	24,268		24,268	Yes

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
ASKY	Togo	-	-	-	
Freebird Airlines	Türkiye	101,594	89,474	12,120	
MNG Airlines	Türkiye	302,764	222,483	80,281	
Pegasus Airlines	Türkiye	1,032,333	775,094	257,239	
SunExpress	Türkiye	669,105	662,475	6,630	
Tailwind Airlines	Türkiye	34,424	22,513	11,911	
Turkish Airlines	Türkiye	11,572,483	7,442,943	4,129,540	
Corendon Airlines	Türkiye	321,614	312,993	8,621	
ULS Airlines Cargo	Türkiye	21,101	4,858	16,243	Yes
Turkmenistan Airlines	Turkmenistan	-	-	-	
Windrose	Ukraine	152,709	90,188	62,521	Yes
Motor Sich JSC	Ukraine	13,218	3,270	9,948	Yes
LLC "Maximus Airlines"	Ukraine	52,116	12,953	39,163	Yes
Limited Liability Company "SkyUp Airlines"	Ukraine	361,242	203,179	158,063	
Limited Liability Company "Aircompany "ZetAvia"	Ukraine	49,635	12,209	37,426	Yes
Azur Air Ukraine Airlines, LLC	Ukraine	340,721	169,883	170,838	
Ukraine International Airlines	Ukraine	404,930	300,746	104,184	
Antonov Company	Ukraine	343,268	206,253	137,015	
Royal Jet	United Arab Emirates	-	-	-	Yes
Air Arabia	United Arab Emirates	-	-	-	
Etihad Airways	United Arab Emirates	-	-	-	
Emirates	United Arab Emirates	-	-	-	
Fly Dubai	United Arab Emirates	-	-	-	
Dubai Air Wing	United Arab Emirates	-	-	-	
Air Arabia Abu Dhabi	United Arab Emirates	-	-	-	Yes
AIRTANKER SERVICES LTD	United Kingdom	52,785	107	52,678	Yes
BA CITYFLYER LTD	United Kingdom	59,933	59,933		
BRITISH AIRWAYS PLC	United Kingdom	5,628,204	4,020,255	1,607,950	
CARGOLOGICAIR LTD	United Kingdom	250,227	246,731	3,495	
DHL AIR LTD	United Kingdom	153,450	152,737	713	
EASYJET UK LTD	United Kingdom	849,451	830,697	18,754	
GLOBAL JET IOM LTD	United Kingdom	25,213	8,294	16,919	Yes
JET2.COM LTD	United Kingdom	680,000	679,952	49	
LONDON EXECUTIVE AVIATION LTD	United Kingdom	11,044	9,080	1,965	Yes
TAG AVIATION (UK) LTD	United Kingdom	17,607	10,177	7,430	
TITAN AIRWAYS LTD	United Kingdom	72,008	52,405	19,602	
TUI AIRWAYS LTD	United Kingdom	570,229	507,803	62,427	
VIRGIN ATLANTIC AIRWAYS LTD	United Kingdom	1,754,131	1,007,231	746,900	
WEST ATLANTIC UK LTD	United Kingdom	11,418	11,123	295	
WIZZ AIR UK LTD	United Kingdom	185,063	185,063		
LONGTAIL AVIATION	United Kingdom	196,248	111,544	84,704	
RYANAIR UK LIMITED	United Kingdom	35,004	24,841	10,164	
ABX Air Inc	United States	188,797	154,551	34,246	Yes
Amerijet International	United States	149,099	87,010	62,089	Yes
Asia Pacific	United States	25,158	17,459	7,699	Yes
Caribbean Sun Airlines, Inc. d/b/a World Atlantic Airlines	United States	21,309	18,223	3,086	Yes
Eastern Airlines f/k/a Dynamic Airways, LLC	United States	72,625	3,715	68,910	Yes

Aeroplane Operator	State	2021 CO ₂ emissions aggregated for all State pairs (in tonnes)			Emissions based on the ICAO CORSIA CERT
		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
Envoy Air Inc	United States	173,165	149,963	23,202	
Gulf And Caribbean Cargo	United States	32,009	25,100	6,909	Yes
Kalitta Charters II	United States	21,023	14,522	6,501	Yes
National Air Cargo Group Inc d/b/a National Airlines	United States	365,696	184,742	180,954	Yes
Northern Air Cargo Inc.	United States	81,192	19,052	62,140	Yes
Omni Air International	United States	389,260	338,723	50,537	
Sky Lease Cargo	United States	217,277	30,606	186,671	Yes
Sun Country Airlines d/b/a MN Airlines	United States	68,049	66,053	1,996	Yes
Swift Air, LLC d/b/a Eastern Air Lines d/b/a Eastern	United States	81,844	57,524	24,320	Yes
USA Jet Airlines Inc.	United States	12,835	12,835		Yes
Western Air Charter, Inc. d/b/a Jet Edge	United States	26,013	20,032	5,981	Yes
Western Global	United States	402,511	287,650	114,861	Yes
Alaska Airlines, Inc.	United States	362,313	362,313		
American Airlines, Inc	United States	7,545,525	5,404,959	2,140,566	
Atlas Air, Inc.	United States	3,722,517	1,965,490	1,757,027	
Delta Air Lines, Inc.	United States	6,065,730	5,365,672	700,058	
Endeavor Air, Inc.	United States	50,183	38,334	11,849	
Executive Jet Management, Inc.	United States	37,088	30,978	6,110	
Federal Express Corporation d/b/a FedEx Express	United States	5,999,658	3,666,319	2,333,339	
FlexJet, LLC	United States	75,756	59,947	15,809	
Frontier Airlines	United States	170,062	167,449	2,613	Yes
GoJet Airlines, LLC	United States	10,702	10,702		Yes
Hawaiian Airlines Inc.	United States	135,111	134,951	161	
JetBlue Airways Corporation	United States	1,753,414	1,378,720	374,693	
Kalitta Air, LLC	United States	2,826,348	1,521,018	1,305,330	
Mesa Air Group	United States	121,910	119,527	2,383	
NetJets Aviation, Inc.	United States	174,693	134,244	40,449	
Polar Air Cargo Worldwide, Inc.	United States	1,480,391	919,522	560,869	
PSA Airlines, Inc	United States	19,415	15,112	4,303	
Republic Airways Inc.	United States	20,471	11,311	9,160	
SkyWest Airlines, Inc.	United States	89,088	88,649	439	
Southwest Airlines Co.	United States	476,035	469,461	6,574	
Spirit Airlines, Inc.	United States	510,770	319,490	191,280	
United Airlines, Inc.	United States	8,866,078	6,646,732	2,219,346	
United Parcel Service Co. (UPS Airlines)	United States	4,436,273	2,374,340	2,061,933	
BamBoo Airways	Viet Nam	-	-	-	
Pacific Airlines JSC	Viet Nam	-	-	-	
Vietjet Aviation JSC	Viet Nam	-	-	-	
Vietnam Airlines JSC	Viet Nam	-	-	-	
Proflight Zambia	Zambia	-	-	-	Yes
Fastjet	Zimbabwe	20,942		20,942	Yes

End of Part III - Table 2

APPENDIX

Status of 2021 CO₂ Emissions Reports

(As 28 October 2022)

Note: The status of reporting of CO₂ emissions is shown in the table below as: “Reported” or “Gap filling”. “Reported” means the State has submitted data through the CORSIA Central Registry (CCR). “Gap filling” means that the Secretariat provided data for States that have not submitted an annual aggregated Emissions Report through the CCR in accordance with the timeline as defined in Appendix 1 to Annex 16, Volume IV (Annex 16, Volume IV, Part II, Chapter 2, 2.5.2.2 refers). A blank cell means that the State has not reported any data and the gap filling methodology has resulted in either no emissions or emissions that are less than 10,000 tonnes.

Member State	2021 CO ₂ Emissions Report
Afghanistan	Gap filling
Albania	Reported
Algeria	Reported
Andorra	
Angola	Reported
Antigua and Barbuda	
Argentina	Reported
Armenia	Reported
Australia	Reported
Austria	Reported
Azerbaijan	Reported
Bahamas	Reported
Bahrain	Reported
Bangladesh	Reported
Barbados	Gap filling
Belarus	Reported
Belgium	Reported
Belize	
Benin	
Bhutan	
Bolivia (Plurinational State of)	Reported
Bosnia and Herzegovina	
Botswana	
Brazil	Reported
Brunei Darussalam	Gap filling
Bulgaria	Gap filling
Burkina Faso	
Burundi	
Cabo Verde	Reported
Cambodia	Reported
Cameroon	
Canada	Reported
Central African Republic	

Member State	2021 CO ₂ Emissions Report
Chad	
Chile	Reported
China	Reported
Colombia	Reported
Comoros	
Congo	
Cook Islands	
Costa Rica	Reported
Côte d'Ivoire	Reported
Croatia	Reported
Cuba	Reported
Cyprus	Reported
Czechia	Reported
Democratic People's Republic of Korea	
Democratic Republic of the Congo	
Denmark	Reported
Djibouti	
Dominica	
Dominican Republic	Reported
Ecuador	Reported
Egypt	Reported
El Salvador	Reported
Equatorial Guinea	
Eritrea	
Estonia	Reported
Eswatini	
Ethiopia	Reported
Fiji	Reported
Finland	Reported
France	Reported
Gabon	
Gambia	
Georgia	Reported
Germany	Reported
Ghana	
Greece	Reported
Grenada	
Guatemala	Reported
Guinea	
Guinea-Bissau	
Guyana	
Haiti	
Honduras	
Hungary	Reported
Iceland	Reported
India	Reported

Member State	2021 CO ₂ Emissions Report
Indonesia	Reported
Iran (Islamic Republic of)	Gap filling
Iraq	Reported
Ireland	Reported
Israel	Reported
Italy	Reported
Jamaica	
Japan	Reported
Jordan	Reported
Kazakhstan	Reported
Kenya	Reported
Kiribati	
Kuwait	Reported
Kyrgyzstan	Gap filling
Lao People's Democratic Republic	
Latvia	Reported
Lebanon	Reported
Lesotho	
Liberia	
Libya	Gap filling
Lithuania	Reported
Luxembourg	Reported
Madagascar	Reported
Malawi	
Malaysia	Reported
Maldives	Reported
Mali	
Malta	Reported
Marshall Islands	
Mauritania	Gap filling
Mauritius	Reported
Mexico	Reported
Micronesia (Federated States of)	
Monaco	
Mongolia	Reported
Montenegro	
Morocco	Reported
Mozambique	
Myanmar	Reported
Namibia	
Nauru	Gap filling
Nepal	Reported
Netherlands	Reported
New Zealand	Reported
Nicaragua	
Niger	

Member State	2021 CO ₂ Emissions Report
Nigeria	Gap filling
North Macedonia	
Norway	Reported
Oman	Reported
Pakistan	Reported
Palau	
Panama	Gap filling
Papua New Guinea	Reported
Paraguay	Reported
Peru	Reported
Philippines	Reported
Poland	Reported
Portugal	Reported
Qatar	Reported
Republic of Korea	Reported
Republic of Moldova	Reported
Romania	Reported
Russian Federation	Gap filling
Rwanda	Reported
Saint Kitts and Nevis	
Saint Lucia	
Saint Vincent and the Grenadines	
Samoa	
San Marino	
Sao Tome and Principe	
Saudi Arabia	Reported
Senegal	Reported
Serbia	Reported
Seychelles	Reported
Sierra Leone	
Singapore	Reported
Slovakia	Reported
Slovenia	
Solomon Islands	
Somalia	
South Africa	Reported
South Sudan	
Spain	Reported
Sri Lanka	Reported
Sudan	Gap filling
Suriname	Reported
Sweden	Reported
Switzerland	Reported
Syrian Arab Republic	Gap filling
Tajikistan	Gap filling
Thailand	Reported

Member State	2021 CO ₂ Emissions Report
Timor-Leste	
Togo	Reported
Tonga	
Trinidad and Tobago	Gap filling
Tunisia	Gap filling
Türkiye	Reported
Turkmenistan	Reported
Tuvalu	
Uganda	Gap filling
Ukraine	Reported
United Arab Emirates	Reported
United Kingdom	Reported
United Republic of Tanzania	Gap filling
United States	Reported
Uruguay	Gap filling
Uzbekistan	Gap filling
Vanuatu	
Venezuela (Bolivarian Republic of)	Gap filling
Viet Nam	Reported
Yemen	Gap filling
Zambia	Reported
Zimbabwe	Reported

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