



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

ICAO document

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



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

October 2024



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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The table below shows the amendments to this ICAO document over time, together with the dates on which the amendments were published on the ICAO website.

**Amendments to the ICAO document
“CORSIA Central Registry: Information and Data for Transparency - Part III”**

<i>Edition</i>	<i>Amendment</i>	<i>Published</i>
1 st	Total annual CO ₂ emissions aggregated for all aeroplane operators on each State pair, and information for aeroplane operators, for year 2021	31 October 2022
2 nd	Total annual CO ₂ emissions aggregated for all aeroplane operators on each State pair, and information for aeroplane operators, for year 2022	31 October 2023
3 rd	Total annual CO ₂ emissions aggregated for all aeroplane operators on each State pair, and information for aeroplane operators, for year 2023	31 October 2024

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

Reporting year: 2023

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.

Total annual CO₂ emissions aggregated for each aeroplane operator

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: 31/Oct/2024*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
<i>Total aggregated</i>	330,236,931	200,186,364
Afghanistan/Azerbaijan	-	
Afghanistan/China		42*
Afghanistan/Egypt		749
Afghanistan/Georgia	774	
Afghanistan/India		997
Afghanistan/Iran (Islamic Republic of)		117*
Afghanistan/Kuwait		1,785
Afghanistan/Kyrgyzstan		-
Afghanistan/Pakistan		810
Afghanistan/Qatar	187	
Afghanistan/Russian Federation		1,320
Afghanistan/Saudi Arabia	21,624	
Afghanistan/Tajikistan		-
Afghanistan/Thailand	-	
Afghanistan/Türkiye	9,332	
Afghanistan/United Arab Emirates	33,314	
Afghanistan/Uzbekistan		775
Albania/Austria	9,993	
Albania/Azerbaijan	11	
Albania/Bahrain		234
Albania/Belgium	8,145	
Albania/Bosnia and Herzegovina	60	
Albania/Bulgaria	184	
Albania/Croatia	43	
Albania/Cyprus	15	
Albania/Czechia	1,812	
Albania/Denmark	127	
Albania/Egypt		1,305
Albania/France	11,584	
Albania/Georgia	72	
Albania/Germany	46,206	
Albania/Greece	7,405	
Albania/Hungary	1,153	
Albania/Ireland	52	
Albania/Israel	725	
Albania/Italy	93,920	
Albania/Jordan		131
Albania/Kazakhstan	88	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Albania/Kuwait		746
Albania/Latvia	352*	
Albania/Lithuania	692	
Albania/Maldives	-	
Albania/Malta	11	
Albania/Montenegro	14	
Albania/Netherlands	4,858	
Albania/Nigeria	56	
Albania/North Macedonia	22	
Albania/Norway	2,547	
Albania/Poland	14,885	
Albania/Portugal	-	
Albania/Republic of Moldova	260	
Albania/Romania	708	
Albania/Saudi Arabia	4,315	
Albania/Serbia	2,857	
Albania/Slovakia	161*	
Albania/Slovenia	-	
Albania/Spain	9,253	
Albania/Sweden	3,754	
Albania/Switzerland	4,116	
Albania/Türkiye	18,655	
Albania/United Arab Emirates	13,149	
Albania/United Kingdom	41,438	
Albania/United States	334	
Albania/Uzbekistan		127
Algeria/Angola		32*
Algeria/Austria		645*
Algeria/Azerbaijan		-
Algeria/Belgium		3,910*
Algeria/Bulgaria		48
Algeria/Burkina Faso		2,593
Algeria/Cameroon		23*
Algeria/Canada		9,034*
Algeria/Chad		-
Algeria/China		-
Algeria/Congo		-
Algeria/Côte d'Ivoire		-
Algeria/Cyprus		9
Algeria/Czechia		221
Algeria/Democratic Republic of the Congo		127
Algeria/Denmark		45
Algeria/Egypt		13,415

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Algeria/Equatorial Guinea		5
Algeria/Ethiopia		39*
Algeria/France		354,480
Algeria/Gabon		408
Algeria/Germany		30,188
Algeria/Ghana		222
Algeria/Guatemala		-
Algeria/Guinea		6*
Algeria/Hungary		64*
Algeria/India		259*
Algeria/Iraq		27
Algeria/Italy		11,163
Algeria/Jordan		5,640
Algeria/Kenya		110
Algeria/Kuwait		-
Algeria/Lebanon		-
Algeria/Libya		13*
Algeria/Luxembourg		-
Algeria/Mali		6,667
Algeria/Malta		-
Algeria/Mauritania		4,912
Algeria/Morocco		105
Algeria/Mozambique		-
Algeria/Namibia		57
Algeria/Netherlands		21
Algeria/Niger		427*
Algeria/Nigeria		362
Algeria/Portugal		1,733
Algeria/Qatar		40,621
Algeria/Russian Federation		37*
Algeria/Sao Tome and Principe		43
Algeria/Saudi Arabia		134,570
Algeria/Senegal		41*
Algeria/Sierra Leone		-
Algeria/South Africa		5,503
Algeria/Spain		8,700
Algeria/Sweden		55
Algeria/Switzerland		4,286
Algeria/Togo		33
Algeria/Tunisia		13,127
Algeria/Türkiye		98,547
Algeria/United Arab Emirates		76,970
Algeria/United Kingdom		15,402

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Algeria/United Republic of Tanzania		279
Algeria/United States		-
Algeria/Venezuela (Bolivarian Republic of)		235
Algeria/Zambia		-
Angola/Algeria		-
Angola/Benin		143
Angola/Brazil		49,492
Angola/Burkina Faso		19
Angola/Cabo Verde		31
Angola/Cameroon		33
Angola/Central African Republic		-
Angola/China		349
Angola/Congo		3,535
Angola/Cuba		-
Angola/Democratic Republic of the Congo		3,189
Angola/Egypt		375
Angola/Equatorial Guinea		-
Angola/Ethiopia		23,584
Angola/France		22,845
Angola/Gabon		1,979
Angola/Germany		20,932
Angola/Ghana		369
Angola/Iraq		34
Angola/Kenya		791
Angola/Madagascar		16
Angola/Morocco		7,296
Angola/Mozambique		30*
Angola/Namibia		-
Angola/Nigeria		3,515
Angola/Portugal		83,201
Angola/Qatar		34*
Angola/Rwanda		156
Angola/Sao Tome and Principe		10*
Angola/Saudi Arabia		23
Angola/Senegal		209
Angola/Sierra Leone		24
Angola/South Africa		41,152
Angola/Spain		21,433
Angola/Sri Lanka		-
Angola/Switzerland		29
Angola/Togo		-
Angola/Türkiye		4,929
Angola/Uganda		516

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Angola/United Arab Emirates		106
Angola/United Kingdom		50,285
Angola/United Republic of Tanzania		184
Angola/Zambia		8
Angola/Zimbabwe		-
Antigua and Barbuda/Bahamas		111
Antigua and Barbuda/Barbados		2,875
Antigua and Barbuda/Belgium		33
Antigua and Barbuda/Bolivia (Plurinational State of)		25
Antigua and Barbuda/Brazil		58
Antigua and Barbuda/Canada		9,751
Antigua and Barbuda/Chile		40
Antigua and Barbuda/Costa Rica		42
Antigua and Barbuda/Cuba		23
Antigua and Barbuda/Dominica		62
Antigua and Barbuda/Dominican Republic		1,352
Antigua and Barbuda/Ecuador		10
Antigua and Barbuda/France		103
Antigua and Barbuda/Gabon		38
Antigua and Barbuda/Germany		79
Antigua and Barbuda/Grenada		80
Antigua and Barbuda/Guyana		30
Antigua and Barbuda/Ireland		21
Antigua and Barbuda/Italy		622
Antigua and Barbuda/Jamaica		34*
Antigua and Barbuda/Mexico		26
Antigua and Barbuda/Morocco		28
Antigua and Barbuda/Netherlands		3,064
Antigua and Barbuda/Nigeria		137*
Antigua and Barbuda/Norway		31
Antigua and Barbuda/Panama		15
Antigua and Barbuda/Portugal		32
Antigua and Barbuda/Saint Kitts and Nevis		1,289
Antigua and Barbuda/Saint Lucia		6
Antigua and Barbuda/Saint Vincent and the Grenadines		17
Antigua and Barbuda/Spain		132
Antigua and Barbuda/Suriname		8
Antigua and Barbuda/Sweden		47
Antigua and Barbuda/Switzerland		40
Antigua and Barbuda/Trinidad and Tobago		1,301
Antigua and Barbuda/United Kingdom		61,261

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Antigua and Barbuda/United States		37,707
Argentina/Belgium		334*
Argentina/Bolivia (Plurinational State of)		23,756
Argentina/Brazil		267,167
Argentina/Cabo Verde		706
Argentina/Canada		407
Argentina/Chile		123,372
Argentina/Colombia		79,899
Argentina/Costa Rica		82
Argentina/Cuba		5,336
Argentina/Dominican Republic		20,023
Argentina/Ecuador		30,383
Argentina/Ethiopia		177
Argentina/France		84,950
Argentina/Germany		174,872
Argentina/Greece		61
Argentina/Guatemala		66
Argentina/Italy		137,244
Argentina/Kenya		-
Argentina/Malta		1,991
Argentina/Mexico		90,094
Argentina/Morocco		-
Argentina/Netherlands		82,536
Argentina/Nigeria		-
Argentina/Panama		132,830
Argentina/Paraguay		13,320
Argentina/Peru		81,466
Argentina/Portugal		549
Argentina/Senegal		203
Argentina/South Africa		544
Argentina/Spain		418,058
Argentina/Switzerland		61
Argentina/United Kingdom		42,459
Argentina/United Republic of Tanzania		-
Argentina/United States		546,138
Argentina/Uruguay		7,875
Argentina/Venezuela (Bolivarian Republic of)		144
Armenia/Austria	14,795	
Armenia/Belarus		-
Armenia/Belgium	5,576	
Armenia/Bosnia and Herzegovina	50	
Armenia/Bulgaria	1,813	
Armenia/China		1,198

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Armenia/Croatia	28*	
Armenia/Cyprus	13,475	
Armenia/Czechia	672	
Armenia/Egypt		17,113
Armenia/France	28,669	
Armenia/Georgia	1,661	
Armenia/Germany	20,914	
Armenia/Greece	7,842	
Armenia/Hungary	115	
Armenia/India		15
Armenia/Iran (Islamic Republic of)		395*
Armenia/Iraq	126*	
Armenia/Israel	1,459	
Armenia/Italy	17,739	
Armenia/Jordan		35
Armenia/Kazakhstan	-	
Armenia/Kenya	-	
Armenia/Kuwait		27*
Armenia/Latvia	57	
Armenia/Lebanon		2,006
Armenia/Lithuania	582	
Armenia/Maldives	70	
Armenia/Malta	47	
Armenia/Montenegro	581*	
Armenia/North Macedonia	19*	
Armenia/Poland	10,421	
Armenia/Qatar	-	
Armenia/Republic of Moldova	24,831	
Armenia/Romania	11*	
Armenia/Russian Federation		138,596
Armenia/Saudi Arabia	470	
Armenia/Serbia	64	
Armenia/Singapore	41	
Armenia/Spain	1,754	
Armenia/Sweden	13	
Armenia/Switzerland	148	
Armenia/Tunisia		961
Armenia/Türkiye	7,985	
Armenia/United Arab Emirates	24,901	
Armenia/United Kingdom	250	
Armenia/United States	65	
Armenia/Uzbekistan		20
Australia/Argentina		66

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Australia/Austria	-	
Australia/Bangladesh		51
Australia/Brunei Darussalam		24,302
Australia/Cambodia	1,050	
Australia/Canada	213,326*	
Australia/Chile		11,082*
Australia/China		1,657,551
Australia/Cook Islands	-	
Australia/Fiji		122,385
Australia/France	14,438	
Australia/Germany	-	
Australia/India		226,207
Australia/Indonesia	590,946	
Australia/Italy	-	
Australia/Japan	427,751	
Australia/Kiribati	80	
Australia/Madagascar	36	
Australia/Malaysia	511,161	
Australia/Maldives	351	
Australia/Mauritius		14,635*
Australia/Micronesia (Federated States of)	34	
Australia/Nauru	3,581	
Australia/New Zealand	696,963	
Australia/Papua New Guinea	28,939	
Australia/Philippines	213,967	
Australia/Qatar	275*	
Australia/Republic of Korea	368,159	
Australia/Samoa		18*
Australia/Singapore	1,753,991	
Australia/Solomon Islands		6,592
Australia/South Africa		-
Australia/Sri Lanka		102,718
Australia/Sudan		24
Australia/Thailand	379,616	
Australia/Timor-Leste	-	
Australia/Tonga	-	
Australia/United Arab Emirates	1,664,019	
Australia/United Kingdom	-	
Australia/United States	1,380,180	
Australia/Vanuatu	12,385	
Australia/Viet Nam		266,449
Austria/Albania	9,193	
Austria/Algeria		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Austria/Armenia	13,650	
Austria/Azerbaijan	2,483	
Austria/Bahrain		30
Austria/Belgium	38,377	
Austria/Bosnia and Herzegovina	6,960	
Austria/Bulgaria	22,290	
Austria/Cabo Verde		97
Austria/Canada	75,531	
Austria/China		121,291
Austria/Croatia	13,407	
Austria/Cyprus	27,535	
Austria/Czechia	5,611	
Austria/Denmark	29,697	
Austria/Egypt		43,628
Austria/Eritrea		132
Austria/Estonia	3,122	
Austria/Ethiopia		33,079
Austria/Finland	15,359	
Austria/France	74,309	
Austria/Georgia	4,751	
Austria/Germany	235,476	
Austria/Greece	83,843	
Austria/Hungary	4,483	
Austria/Iceland	9,139	
Austria/India		14,087
Austria/Iran (Islamic Republic of)		5,815*
Austria/Iraq	6,751	
Austria/Ireland	15,234	
Austria/Israel	48,277	
Austria/Italy	100,311	
Austria/Japan	31,093	
Austria/Jordan		16,975
Austria/Kazakhstan	198	
Austria/Kuwait		2,917
Austria/Latvia	3,566	
Austria/Lebanon		89
Austria/Libya		111
Austria/Lithuania	3,688	
Austria/Luxembourg	8,784	
Austria/Maldives	17,398	
Austria/Malta	9,153	
Austria/Mauritius		18,825
Austria/Mexico	10,749	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Austria/Montenegro	6,735	
Austria/Morocco		5,566
Austria/Namibia	47	
Austria/Netherlands	53,999	
Austria/Nigeria	68	
Austria/North Macedonia	8,091	
Austria/Norway	13,088	
Austria/Poland	23,648	
Austria/Portugal	38,950	
Austria/Qatar	37,757	
Austria/Republic of Korea	47,199	
Austria/Republic of Moldova	4,544	
Austria/Romania	24,600	
Austria/Russian Federation		7
Austria/Saudi Arabia	24,506	
Austria/Serbia	12,160	
Austria/Slovakia	2,792	
Austria/Slovenia	324	
Austria/South Africa		51
Austria/Spain	195,613	
Austria/Sweden	29,664	
Austria/Switzerland	40,931	
Austria/Thailand	112,337	
Austria/Tunisia		3,117
Austria/Türkiye	94,528	
Austria/Turkmenistan		16
Austria/United Arab Emirates	127,026	
Austria/United Kingdom	117,790	
Austria/United States	230,746	
Austria/Uzbekistan		95
Azerbaijan/Afghanistan	-	
Azerbaijan/Albania	12	
Azerbaijan/Algeria		-
Azerbaijan/Austria	12,230	
Azerbaijan/Bahrain		-
Azerbaijan/Bangladesh		-
Azerbaijan/Belarus		-
Azerbaijan/Belgium	131*	
Azerbaijan/Bosnia and Herzegovina	-	
Azerbaijan/Brunei Darussalam		-
Azerbaijan/Bulgaria	276	
Azerbaijan/Canada	284	
Azerbaijan/China		241,041

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Azerbaijan/Cyprus	237	
Azerbaijan/Czechia	4,136	
Azerbaijan/Denmark	-	
Azerbaijan/Egypt		2,336
Azerbaijan/Equatorial Guinea	-	
Azerbaijan/Estonia	-	
Azerbaijan/Finland	230	
Azerbaijan/France	5,228	
Azerbaijan/Georgia	14,575	
Azerbaijan/Germany	92,747	
Azerbaijan/Greece	578	
Azerbaijan/Hungary	9,150	
Azerbaijan/Iceland	-	
Azerbaijan/India		24,773
Azerbaijan/Indonesia	-	
Azerbaijan/Iran (Islamic Republic of)		1,236
Azerbaijan/Iraq	13,300	
Azerbaijan/Ireland	-	
Azerbaijan/Israel	22,683	
Azerbaijan/Italy	56,946	
Azerbaijan/Japan	44,592	
Azerbaijan/Kazakhstan	36,621	
Azerbaijan/Kuwait		9,628
Azerbaijan/Kyrgyzstan		9,696
Azerbaijan/Latvia	929*	
Azerbaijan/Lebanon		-
Azerbaijan/Lithuania	-	
Azerbaijan/Luxembourg	98,567	
Azerbaijan/Malaysia	-	
Azerbaijan/Maldives	-	
Azerbaijan/Malta	67	
Azerbaijan/Mongolia		-
Azerbaijan/Montenegro	-	
Azerbaijan/Morocco		-
Azerbaijan/Namibia	-	
Azerbaijan/Netherlands	52,373	
Azerbaijan/North Macedonia	-	
Azerbaijan/Norway	-	
Azerbaijan/Oman	-	
Azerbaijan/Pakistan		5,036
Azerbaijan/Philippines	-	
Azerbaijan/Poland	10,351	
Azerbaijan/Portugal	-	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Azerbaijan/Qatar	7,691	
Azerbaijan/Republic of Korea	-	
Azerbaijan/Republic of Moldova	21*	
Azerbaijan/Romania	181	
Azerbaijan/Russian Federation		143,615
Azerbaijan/Saudi Arabia	30,854	
Azerbaijan/Serbia	29*	
Azerbaijan/Singapore	-	
Azerbaijan/Slovenia	-	
Azerbaijan/South Africa		-
Azerbaijan/Spain	22,721	
Azerbaijan/Sudan		-
Azerbaijan/Sweden	664	
Azerbaijan/Switzerland	2,273	
Azerbaijan/Tajikistan		-
Azerbaijan/Thailand	-	
Azerbaijan/Türkiye	149,619	
Azerbaijan/Turkmenistan		-
Azerbaijan/United Arab Emirates	65,289	
Azerbaijan/United Kingdom	31,700	
Azerbaijan/United Republic of Tanzania	-	
Azerbaijan/United States	21,291	
Azerbaijan/Uzbekistan		15,266
Azerbaijan/Viet Nam		303*
Bahamas/Antigua and Barbuda		182
Bahamas/Argentina		51
Bahamas/Barbados	65	
Bahamas/Brazil		108
Bahamas/Canada	22,387	
Bahamas/Chile		87
Bahamas/Colombia		15
Bahamas/Costa Rica	185	
Bahamas/Cuba	743	
Bahamas/Denmark	66	
Bahamas/Dominican Republic	1,353	
Bahamas/Ecuador		64
Bahamas/El Salvador	14	
Bahamas/France	679	
Bahamas/Germany	137	
Bahamas/Grenada	22	
Bahamas/Guatemala	18	
Bahamas/Haiti		922
Bahamas/Honduras	19	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bahamas/Hungary	190	
Bahamas/Ireland	32	
Bahamas/Italy	151	
Bahamas/Jamaica	4,171	
Bahamas/Mexico	515	
Bahamas/Netherlands	305	
Bahamas/Panama		2,499
Bahamas/Portugal	59	
Bahamas/Qatar	-	
Bahamas/Saint Kitts and Nevis	46	
Bahamas/Saint Lucia		9
Bahamas/Saint Vincent and the Grenadines	61	
Bahamas/Spain	260	
Bahamas/Sweden	78	
Bahamas/Switzerland	259	
Bahamas/Trinidad and Tobago	70*	
Bahamas/United Kingdom	84,614	
Bahamas/United States	207,600	
Bahamas/Uruguay	55	
Bahamas/Venezuela (Bolivarian Republic of)		7
Bahrain/Albania		270
Bahrain/Austria		74
Bahrain/Azerbaijan		2,941*
Bahrain/Bangladesh		35,697
Bahrain/Belgium		487
Bahrain/Bosnia and Herzegovina		559
Bahrain/Bulgaria		385
Bahrain/China		122,854
Bahrain/Cyprus		2,618
Bahrain/Djibouti		9,338
Bahrain/Egypt		27,776
Bahrain/Eritrea		1,633
Bahrain/Estonia		48
Bahrain/Ethiopia		2,172
Bahrain/France		20,484
Bahrain/Germany		115,539
Bahrain/Greece		8,529
Bahrain/Hungary		172
Bahrain/India		189,655
Bahrain/Indonesia		2,045
Bahrain/Iran (Islamic Republic of)		10
Bahrain/Iraq		4,766
Bahrain/Israel		4,094

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bahrain/Italy		46,436
Bahrain/Jordan		10,507
Bahrain/Kazakhstan		-
Bahrain/Kenya		12,101
Bahrain/Kuwait		26,395
Bahrain/Lebanon		8,955
Bahrain/Lithuania		42
Bahrain/Luxembourg		15,917
Bahrain/Malaysia		250
Bahrain/Maldives		13,403
Bahrain/Malta		12
Bahrain/Montenegro		17
Bahrain/Morocco		13,925
Bahrain/Netherlands		226
Bahrain/Oman		14,959
Bahrain/Pakistan		55,772
Bahrain/Philippines		59,641
Bahrain/Poland		75
Bahrain/Qatar		6,649
Bahrain/Republic of Korea		1,774
Bahrain/Republic of Moldova		-
Bahrain/Russian Federation		16,234
Bahrain/Rwanda		37
Bahrain/Saudi Arabia		98,121
Bahrain/Senegal		272
Bahrain/Singapore		22,226
Bahrain/Slovakia		903
Bahrain/Slovenia		18
Bahrain/Spain		5,148
Bahrain/Sri Lanka		238
Bahrain/Sudan		22
Bahrain/Sweden		30
Bahrain/Switzerland		297
Bahrain/Thailand		55,250
Bahrain/Tunisia		106
Bahrain/Türkiye		66,518
Bahrain/United Arab Emirates		97,527
Bahrain/United Kingdom		192,782
Bahrain/Uzbekistan		21
Bahrain/Viet Nam		9,431
Bangladesh/Australia		416
Bangladesh/Azerbaijan		-
Bangladesh/Bahrain		39,409

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bangladesh/Bhutan		662
Bangladesh/Bulgaria		126
Bangladesh/Cambodia		36
Bangladesh/China		77,485
Bangladesh/Djibouti		138
Bangladesh/Ethiopia		5,532
Bangladesh/Greece		37
Bangladesh/India		58,225
Bangladesh/Indonesia		599
Bangladesh/Italy		44
Bangladesh/Japan		4,909
Bangladesh/Jordan		-
Bangladesh/Kazakhstan		3,797*
Bangladesh/Kuwait		122,623
Bangladesh/Lebanon		208
Bangladesh/Malaysia		106,504
Bangladesh/Maldives		10,428
Bangladesh/Myanmar		47
Bangladesh/Nepal		4,826
Bangladesh/Netherlands		237
Bangladesh/Oman		97,085
Bangladesh/Pakistan		90
Bangladesh/Qatar		196,597
Bangladesh/Republic of Korea		3,247
Bangladesh/Russian Federation		112
Bangladesh/Saudi Arabia		414,104
Bangladesh/Singapore		49,578
Bangladesh/Sri Lanka		15,637
Bangladesh/Thailand		43,770
Bangladesh/Türkiye		72,298
Bangladesh/United Arab Emirates		410,675
Bangladesh/United Kingdom		55,038
Bangladesh/Viet Nam		6,108
Barbados/Antigua and Barbuda		2,871
Barbados/Argentina		31*
Barbados/Bahamas	147	
Barbados/Belgium	2,388	
Barbados/Brazil		28
Barbados/Cabo Verde		48
Barbados/Canada	32,253	
Barbados/Colombia		38
Barbados/Costa Rica	12	
Barbados/Cuba	39	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Barbados/Denmark	30	
Barbados/Dominica		766
Barbados/Dominican Republic	1,628	
Barbados/El Salvador	-	
Barbados/France	242	
Barbados/Gambia	26	
Barbados/Germany	16,628	
Barbados/Grenada	2,563	
Barbados/Guyana	3,690	
Barbados/Ireland	179	
Barbados/Italy	47	
Barbados/Jamaica	287	
Barbados/Mexico	13	
Barbados/Netherlands	807	
Barbados/Nicaragua		77
Barbados/Nigeria	33	
Barbados/Panama		3,504
Barbados/Peru		165
Barbados/Poland	40	
Barbados/Portugal	181	
Barbados/Rwanda	-	
Barbados/Saint Kitts and Nevis	560	
Barbados/Saint Lucia		1,133
Barbados/Saint Vincent and the Grenadines	2,201	
Barbados/Senegal		-
Barbados/Spain	209	
Barbados/Suriname	28	
Barbados/Sweden	29	
Barbados/Switzerland	36*	
Barbados/Trinidad and Tobago	6,673	
Barbados/United Arab Emirates	62	
Barbados/United Kingdom	202,234	
Barbados/United States	56,855	
Barbados/Venezuela (Bolivarian Republic of)		143
Belarus/Armenia		-
Belarus/Azerbaijan		-
Belarus/Bangladesh		-
Belarus/China		10,416*
Belarus/Egypt		-
Belarus/Georgia		378*
Belarus/India		-
Belarus/Iran (Islamic Republic of)		-
Belarus/Israel		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belarus/Kazakhstan		-
Belarus/Morocco		-
Belarus/Oman		-
Belarus/Qatar		-
Belarus/Russian Federation		65,340
Belarus/Tajikistan		-
Belarus/Türkiye		150*
Belarus/Turkmenistan		-
Belarus/United Arab Emirates		-
Belarus/Uzbekistan		3,392*
Belarus/Viet Nam		-
Belgium/Afghanistan	196	
Belgium/Albania	9,080	
Belgium/Algeria		7,549
Belgium/Angola		26,319
Belgium/Armenia	4,889	
Belgium/Austria	33,708	
Belgium/Azerbaijan	17,508	
Belgium/Bahamas	375	
Belgium/Bahrain		331
Belgium/Benin	10,926	
Belgium/Bosnia and Herzegovina	1,091	
Belgium/Botswana	379	
Belgium/Brazil		6,252
Belgium/Bulgaria	15,215	
Belgium/Burkina Faso	17,008	
Belgium/Burundi		16,569
Belgium/Cabo Verde		5,159
Belgium/Cambodia	349	
Belgium/Cameroon	54,034	
Belgium/Canada	78,971	
Belgium/Central African Republic		923*
Belgium/Chad		2,150
Belgium/China		763,023
Belgium/Comoros		337
Belgium/Congo		6,386
Belgium/Costa Rica	215	
Belgium/Côte d'Ivoire	14,350	
Belgium/Croatia	12,211	
Belgium/Cuba	15,744	
Belgium/Cyprus	13,916	
Belgium/Czechia	11,361	
Belgium/Democratic Republic of the Congo	39,637	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belgium/Denmark	27,126	
Belgium/Djibouti		1,058
Belgium/Dominican Republic	21,217	
Belgium/Ecuador		213*
Belgium/Egypt		53,618
Belgium/Equatorial Guinea	997	
Belgium/Estonia	2,899	
Belgium/Ethiopia		49,044
Belgium/Finland	26,672	
Belgium/France	101,732	
Belgium/Gabon	2,942*	
Belgium/Gambia	6,877	
Belgium/Georgia	4,255	
Belgium/Germany	90,321	
Belgium/Ghana	40,537	
Belgium/Greece	92,558	
Belgium/Guinea		672
Belgium/Haiti		283
Belgium/Hungary	17,490	
Belgium/Iceland	27,411	
Belgium/India		25,348
Belgium/Indonesia	374*	
Belgium/Iran (Islamic Republic of)		-
Belgium/Ireland	22,177	
Belgium/Israel	72,752	
Belgium/Italy	154,937	
Belgium/Japan	5,246*	
Belgium/Jordan		3,345
Belgium/Kazakhstan	42,394	
Belgium/Kenya	2,465	
Belgium/Kuwait		2,111
Belgium/Kyrgyzstan		133
Belgium/Latvia	1,675	
Belgium/Lebanon		6,017
Belgium/Liberia		798*
Belgium/Libya		1,275
Belgium/Lithuania	3,753	
Belgium/Luxembourg	280	
Belgium/Malawi		2,055*
Belgium/Malaysia	1,157	
Belgium/Maldives	38	
Belgium/Mali	755	
Belgium/Malta	11,239	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belgium/Mauritania		395
Belgium/Mauritius		11,926
Belgium/Mexico	8,587	
Belgium/Mongolia		329
Belgium/Montenegro	1,956	
Belgium/Morocco		129,250
Belgium/Namibia	297	
Belgium/Netherlands	14,319	
Belgium/Niger		4,558*
Belgium/Nigeria	57,677	
Belgium/North Macedonia	3,342	
Belgium/Norway	29,092	
Belgium/Oman	-	
Belgium/Pakistan		181
Belgium/Poland	32,528	
Belgium/Portugal	96,945	
Belgium/Qatar	-	
Belgium/Republic of Korea	95,444	
Belgium/Republic of Moldova	1,841	
Belgium/Romania	41,510	
Belgium/Rwanda	39,517*	
Belgium/Saint Lucia		42
Belgium/Saudi Arabia	52,251	
Belgium/Senegal		42,131
Belgium/Serbia	2,254	
Belgium/Sierra Leone		24,561
Belgium/Singapore	33,796	
Belgium/Slovakia	1,499	
Belgium/Slovenia	3,069	
Belgium/South Africa		76,147
Belgium/Spain	387,747	
Belgium/Sri Lanka		152
Belgium/Sweden	32,119	
Belgium/Switzerland	26,504	
Belgium/Thailand	338	
Belgium/Togo		1,190
Belgium/Tunisia		22,306
Belgium/Türkiye	137,451	
Belgium/Turkmenistan		587
Belgium/Uganda	1,785	
Belgium/United Arab Emirates	239,554	
Belgium/United Kingdom	64,391	
Belgium/United Republic of Tanzania	41*	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Belgium/United States	679,074	
Belgium/Uzbekistan		518
Belgium/Viet Nam		805
Belgium/Zambia	17,473	
Belgium/Zimbabwe	401	
Belize/Canada	3,718	
Belize/Costa Rica	4	
Belize/Dominican Republic	12	
Belize/El Salvador	13	
Belize/Honduras	234	
Belize/Mexico	24	
Belize/Netherlands	10	
Belize/Panama		806
Belize/Spain	194	
Belize/United Kingdom	463	
Belize/United States	60,066	
Benin/Angola		45
Benin/Belgium	8,286	
Benin/Burkina Faso	48	
Benin/Cameroon	2,056	
Benin/Central African Republic		244
Benin/Congo		1,670
Benin/Côte d'Ivoire	7,739	
Benin/Democratic Republic of the Congo	33	
Benin/Equatorial Guinea	1,269	
Benin/Ethiopia		8,585
Benin/France	49,832	
Benin/Gabon	4,845	
Benin/Ghana	101	
Benin/Guinea-Bissau		58
Benin/Italy	21	
Benin/Kenya	58	
Benin/Mali	3,750	
Benin/Mauritania		365
Benin/Morocco		4,175
Benin/Mozambique		53
Benin/Netherlands	91	
Benin/Niger		1,184
Benin/Nigeria	390	
Benin/Portugal	60	
Benin/Rwanda	16*	
Benin/Sao Tome and Principe		5
Benin/Saudi Arabia	2,121	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Benin/Senegal		2,892
Benin/Sierra Leone		15
Benin/Spain	31	
Benin/Switzerland	22	
Benin/Togo		1,448
Benin/Türkiye	10,428	
Benin/Uganda	31	
Benin/United Arab Emirates	74	
Benin/United Kingdom	71	
Benin/United Republic of Tanzania	21	
Benin/Zimbabwe	20	
Bhutan/Bangladesh		675
Bhutan/India		8,292
Bhutan/Kuwait		45
Bhutan/Malaysia		64
Bhutan/Myanmar		16
Bhutan/Nepal		2,537
Bhutan/Singapore		105
Bhutan/Thailand		3,429
Bhutan/United Arab Emirates		36
Bhutan/Viet Nam		136
Bolivia (Plurinational State of)/Argentina		22,576
Bolivia (Plurinational State of)/Barbados		12
Bolivia (Plurinational State of)/Brazil		20,027
Bolivia (Plurinational State of)/Chile		4,410
Bolivia (Plurinational State of)/Colombia		18,753
Bolivia (Plurinational State of)/Cuba		479
Bolivia (Plurinational State of)/Dominican Republic		99
Bolivia (Plurinational State of)/Ecuador		211
Bolivia (Plurinational State of)/France		219*
Bolivia (Plurinational State of)/Jamaica		50
Bolivia (Plurinational State of)/Mexico		96
Bolivia (Plurinational State of)/Panama		21,230
Bolivia (Plurinational State of)/Paraguay		1,834
Bolivia (Plurinational State of)/Peru		17,636
Bolivia (Plurinational State of)/Spain		68,485
Bolivia (Plurinational State of)/United States		49,016
Bolivia (Plurinational State of)/Venezuela (Bolivarian Republic of)		322
Bosnia and Herzegovina/Albania	66	
Bosnia and Herzegovina/Armenia	46	
Bosnia and Herzegovina/Austria	7,264	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bosnia and Herzegovina/Azerbaijan	-	
Bosnia and Herzegovina/Bahrain		490
Bosnia and Herzegovina/Belgium	1,245	
Bosnia and Herzegovina/Bulgaria	155	
Bosnia and Herzegovina/Croatia	2,202	
Bosnia and Herzegovina/Cyprus	-	
Bosnia and Herzegovina/Czechia	19	
Bosnia and Herzegovina/Denmark	697	
Bosnia and Herzegovina/Egypt		1,790*
Bosnia and Herzegovina/France	3,931	
Bosnia and Herzegovina/Germany	27,618	
Bosnia and Herzegovina/Greece	115	
Bosnia and Herzegovina/Hungary	38	
Bosnia and Herzegovina/Italy	282	
Bosnia and Herzegovina/Jordan		-
Bosnia and Herzegovina/Kuwait		4,548
Bosnia and Herzegovina/Lebanon		8*
Bosnia and Herzegovina/Malta	47	
Bosnia and Herzegovina/Montenegro	123	
Bosnia and Herzegovina/Netherlands	1,243	
Bosnia and Herzegovina/North Macedonia	98	
Bosnia and Herzegovina/Norway	351	
Bosnia and Herzegovina/Oman	-	
Bosnia and Herzegovina/Poland	1,284	
Bosnia and Herzegovina/Portugal	57	
Bosnia and Herzegovina/Qatar	-	
Bosnia and Herzegovina/Romania	73	
Bosnia and Herzegovina/Saudi Arabia	-	
Bosnia and Herzegovina/Serbia	800	
Bosnia and Herzegovina/Slovakia	19	
Bosnia and Herzegovina/Slovenia	3*	
Bosnia and Herzegovina/Spain	86	
Bosnia and Herzegovina/Sweden	10,285	
Bosnia and Herzegovina/Switzerland	1,626	
Bosnia and Herzegovina/Tunisia		658
Bosnia and Herzegovina/Türkiye	22,244	
Bosnia and Herzegovina/United Arab Emirates	21,146	
Bosnia and Herzegovina/United Kingdom	1,297	
Botswana/Angola		24
Botswana/Benin	56	
Botswana/Cameroon	11	
Botswana/Comoros		13
Botswana/Egypt		49

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Botswana/Ethiopia		15,279
Botswana/Germany	37	
Botswana/Kenya	60*	
Botswana/Madagascar	48	
Botswana/Namibia	8	
Botswana/Netherlands	165	
Botswana/Rwanda	89	
Botswana/Seychelles		19
Botswana/South Africa		12,853
Botswana/Spain	125	
Botswana/Switzerland	45	
Botswana/Uganda	219	
Botswana/United Republic of Tanzania	25	
Botswana/Zambia	10	
Botswana/Zimbabwe	34	
Brazil/Angola		46,806
Brazil/Antigua and Barbuda		29
Brazil/Argentina		298,532
Brazil/Austria		86
Brazil/Bahamas		113
Brazil/Barbados		26
Brazil/Belgium		387*
Brazil/Bolivia (Plurinational State of)		21,264
Brazil/Bulgaria		488
Brazil/Cabo Verde		2,501
Brazil/Canada		109,575
Brazil/Chile		328,258
Brazil/Colombia		194,580
Brazil/Costa Rica		198
Brazil/Côte d'Ivoire		387
Brazil/Czechia		212
Brazil/Dominican Republic		8,896
Brazil/Ecuador		94,728
Brazil/Ethiopia		68,177
Brazil/France		404,896
Brazil/Gabon		34
Brazil/Germany		305,693
Brazil/Ghana		619
Brazil/Greece		-
Brazil/Guyana		151
Brazil/Haiti		212
Brazil/Italy		203,784
Brazil/Jordan		56

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Brazil/Kenya		-
Brazil/Luxembourg		51,089*
Brazil/Malta		82
Brazil/Mexico		112,681
Brazil/Morocco		41*
Brazil/Netherlands		176,517
Brazil/Nigeria		584
Brazil/Panama		186,640
Brazil/Paraguay		16,123
Brazil/Peru		109,729
Brazil/Poland		1,588
Brazil/Portugal		714,514
Brazil/Qatar		-
Brazil/Sao Tome and Principe		35
Brazil/Saudi Arabia		-
Brazil/Senegal		13,707
Brazil/Slovakia		45
Brazil/South Africa		7,874
Brazil/Spain		298,745
Brazil/Suriname		2,002
Brazil/Switzerland		102,905
Brazil/Togo		46
Brazil/Trinidad and Tobago		146
Brazil/Türkiye		98,205
Brazil/Uganda		-
Brazil/United Arab Emirates		292,441
Brazil/United Kingdom		243,731
Brazil/United Republic of Tanzania		-
Brazil/United States		1,403,250
Brazil/Uruguay		50,282
Brazil/Venezuela (Bolivarian Republic of)		1,167
Brunei Darussalam/Australia		24,639
Brunei Darussalam/Azerbaijan		-
Brunei Darussalam/Cambodia		16
Brunei Darussalam/China		12,579
Brunei Darussalam/India		15
Brunei Darussalam/Indonesia		7,355
Brunei Darussalam/Japan		7,657
Brunei Darussalam/Malaysia		19,294
Brunei Darussalam/Oman		139
Brunei Darussalam/Philippines		6,529
Brunei Darussalam/Republic of Korea		4,569
Brunei Darussalam/Saudi Arabia		12,957

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Brunei Darussalam/Singapore		11,074
Brunei Darussalam/Thailand		3,469
Brunei Darussalam/United Arab Emirates		20,760
Brunei Darussalam/United Kingdom		2,253
Brunei Darussalam/Viet Nam		1,612
Bulgaria/Albania	279	
Bulgaria/Algeria		27
Bulgaria/Armenia	1,714	
Bulgaria/Austria	23,638	
Bulgaria/Azerbaijan	414	
Bulgaria/Bahrain		379
Bulgaria/Belgium	16,397	
Bulgaria/Bosnia and Herzegovina	50	
Bulgaria/Botswana	40	
Bulgaria/Cabo Verde		150
Bulgaria/Canada	320	
Bulgaria/Chad		109
Bulgaria/China		1,088*
Bulgaria/Croatia	1,288	
Bulgaria/Cyprus	7,039	
Bulgaria/Czechia	17,905	
Bulgaria/Democratic Republic of the Congo	308	
Bulgaria/Denmark	7,568	
Bulgaria/Djibouti		1,607
Bulgaria/Egypt		5,275
Bulgaria/Estonia	858	
Bulgaria/Finland	1,582	
Bulgaria/France	21,166	
Bulgaria/Georgia	75	
Bulgaria/Germany	120,974	
Bulgaria/Greece	7,591	
Bulgaria/Hungary	3,263	
Bulgaria/Iceland	131	
Bulgaria/India		42*
Bulgaria/Iran (Islamic Republic of)		-
Bulgaria/Iraq	2,736	
Bulgaria/Ireland	12,856	
Bulgaria/Israel	24,743	
Bulgaria/Italy	36,102	
Bulgaria/Jordan		2,717
Bulgaria/Kazakhstan	64	
Bulgaria/Kuwait		4,429
Bulgaria/Latvia	1,202	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Bulgaria/Lebanon		55
Bulgaria/Lithuania	3,052	
Bulgaria/Luxembourg	1,407	
Bulgaria/Malaysia	-	
Bulgaria/Malta	1,908	
Bulgaria/Montenegro	65	
Bulgaria/Morocco		556
Bulgaria/Netherlands	24,446	
Bulgaria/Nigeria	278	
Bulgaria/North Macedonia	223	
Bulgaria/Norway	7,245	
Bulgaria/Oman	517	
Bulgaria/Pakistan		90
Bulgaria/Poland	35,196	
Bulgaria/Portugal	3,857	
Bulgaria/Qatar	11,915	
Bulgaria/Republic of Korea	971	
Bulgaria/Republic of Moldova	71	
Bulgaria/Romania	2,582	
Bulgaria/Rwanda	-	
Bulgaria/Saudi Arabia	2,871	
Bulgaria/Serbia	1,327	
Bulgaria/Singapore	41	
Bulgaria/Slovakia	4,457	
Bulgaria/Slovenia	46	
Bulgaria/Spain	39,957	
Bulgaria/Sweden	5,446	
Bulgaria/Switzerland	6,817	
Bulgaria/Thailand	163	
Bulgaria/Tunisia		3,661
Bulgaria/Türkiye	20,191	
Bulgaria/Uganda	233	
Bulgaria/Ukraine	86	
Bulgaria/United Arab Emirates	15,226	
Bulgaria/United Kingdom	135,287	
Bulgaria/United States	21,671	
Bulgaria/Uzbekistan		39*
Burkina Faso/Algeria		187*
Burkina Faso/Angola		19
Burkina Faso/Belgium	16,005	
Burkina Faso/Benin	352	
Burkina Faso/Cabo Verde		-
Burkina Faso/Central African Republic		27

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Burkina Faso/Chad		1,051
Burkina Faso/Côte d'Ivoire	7,776	
Burkina Faso/Cyprus	36	
Burkina Faso/Democratic Republic of the Congo	63	
Burkina Faso/Djibouti		44
Burkina Faso/Egypt		241
Burkina Faso/Ethiopia		14,032
Burkina Faso/France	6,900	
Burkina Faso/Gabon	229	
Burkina Faso/Gambia	37	
Burkina Faso/Germany	580	
Burkina Faso/Ghana	1,939	
Burkina Faso/Guinea		4,226
Burkina Faso/Guinea-Bissau		7
Burkina Faso/Kenya	588	
Burkina Faso/Liberia		7
Burkina Faso/Mali	801	
Burkina Faso/Mauritania		-
Burkina Faso/Morocco		23*
Burkina Faso/Niger		4,012
Burkina Faso/Nigeria	191	
Burkina Faso/Norway	107	
Burkina Faso/Portugal	33	
Burkina Faso/Qatar	34	
Burkina Faso/Rwanda	88	
Burkina Faso/Saudi Arabia	-	
Burkina Faso/Senegal		176
Burkina Faso/Sierra Leone		2,508
Burkina Faso/South Africa		199
Burkina Faso/Spain	195	
Burkina Faso/Sudan		91
Burkina Faso/Togo		3,346
Burkina Faso/Tunisia		1,395
Burkina Faso/Türkiye	13,983	
Burkina Faso/United Arab Emirates	123	
Burkina Faso/United Kingdom	52	
Burkina Faso/United Republic of Tanzania	90	
Burundi/Central African Republic		97
Burundi/Democratic Republic of the Congo		46
Burundi/Egypt		57
Burundi/Ethiopia		7,322
Burundi/Ghana		17

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Burundi/Kenya		3,515
Burundi/Madagascar		24
Burundi/Namibia		-
Burundi/Qatar		-
Burundi/Rwanda		1,214
Burundi/Saudi Arabia		38
Burundi/Somalia		42
Burundi/Uganda		3,620
Burundi/United Arab Emirates		369
Burundi/United Republic of Tanzania		474
Burundi/Zambia		-
Cabo Verde/Angola		31*
Cabo Verde/Argentina		1,296
Cabo Verde/Austria		43
Cabo Verde/Barbados		229
Cabo Verde/Belgium		12,792
Cabo Verde/Brazil		36,456
Cabo Verde/Bulgaria		134
Cabo Verde/Burkina Faso		-
Cabo Verde/Chile		286
Cabo Verde/Congo		57
Cabo Verde/Cuba		55
Cabo Verde/Cyprus		42
Cabo Verde/Czechia		7,932
Cabo Verde/Denmark		3,664
Cabo Verde/Ecuador		123
Cabo Verde/Finland		1,190
Cabo Verde/France		3,155
Cabo Verde/Gambia		-
Cabo Verde/Germany		16,342
Cabo Verde/Ghana		20
Cabo Verde/Greece		161
Cabo Verde/Guinea-Bissau		-
Cabo Verde/Iceland		74
Cabo Verde/Italy		9,120
Cabo Verde/Luxembourg		5,962
Cabo Verde/Mauritania		23
Cabo Verde/Morocco		5,391
Cabo Verde/Mozambique		145
Cabo Verde/Netherlands		12,873
Cabo Verde/Nigeria		33
Cabo Verde/Norway		97
Cabo Verde/Poland		6,130

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cabo Verde/Portugal		65,933
Cabo Verde/Romania		64
Cabo Verde/Sao Tome and Principe		-
Cabo Verde/Senegal		3,455
Cabo Verde/Slovakia		822
Cabo Verde/South Africa		489
Cabo Verde/Spain		5,260
Cabo Verde/Suriname		199
Cabo Verde/Sweden		8,081
Cabo Verde/Switzerland		2,752
Cabo Verde/Tunisia		-
Cabo Verde/Türkiye		39
Cabo Verde/United Arab Emirates		534
Cabo Verde/United Kingdom		59,526
Cabo Verde/United States		312
Cabo Verde/Uruguay		307
Cabo Verde/Venezuela (Bolivarian Republic of)		413
Cambodia/Australia	-	
Cambodia/Bangladesh		37
Cambodia/Bulgaria	50	
Cambodia/China		116,714
Cambodia/Egypt		1,907
Cambodia/Ethiopia		602
Cambodia/Georgia	180	
Cambodia/India		1,063
Cambodia/Indonesia	2,895	
Cambodia/Japan	826	
Cambodia/Kazakhstan	-	
Cambodia/Lao People's Democratic Republic		5,149
Cambodia/Madagascar	-	
Cambodia/Malaysia	23,654	
Cambodia/Maldives	101	
Cambodia/Malta	56	
Cambodia/Myanmar		1,492*
Cambodia/Nepal		278
Cambodia/New Zealand	53	
Cambodia/Oman	-	
Cambodia/Palau	-	
Cambodia/Philippines	5,371	
Cambodia/Qatar	-	
Cambodia/Republic of Korea	55,333	
Cambodia/Saudi Arabia	54	
Cambodia/Singapore	31,345	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cambodia/Thailand	51,928	
Cambodia/Timor-Leste	-	
Cambodia/Türkiye	51	
Cambodia/United Arab Emirates	202*	
Cambodia/United Kingdom	58	
Cambodia/United States	446	
Cambodia/Viet Nam		28,709
Cameroon/Algeria		574
Cameroon/Angola		-
Cameroon/Belgium	44,601	
Cameroon/Benin	1,865	
Cameroon/Burkina Faso	205	
Cameroon/Burundi		52
Cameroon/Central African Republic		8,263
Cameroon/Chad		2,903
Cameroon/Congo		1,815
Cameroon/Côte d'Ivoire	3,490	
Cameroon/Democratic Republic of the Congo	2,260	
Cameroon/Egypt		6,723
Cameroon/Equatorial Guinea	2,639	
Cameroon/Ethiopia		29,460*
Cameroon/France	78,111	
Cameroon/Gabon	2,856	
Cameroon/Ghana	187	
Cameroon/Greece	22	
Cameroon/Guinea		18
Cameroon/Italy	25*	
Cameroon/Kenya	4,610	
Cameroon/Lebanon		84
Cameroon/Mali	155	
Cameroon/Malta	21	
Cameroon/Mauritania		62
Cameroon/Morocco		-
Cameroon/Namibia	10	
Cameroon/Netherlands	41	
Cameroon/Niger		42
Cameroon/Nigeria	4,049	
Cameroon/Norway	-	
Cameroon/Rwanda	130*	
Cameroon/Sao Tome and Principe		4
Cameroon/Saudi Arabia	2,960	
Cameroon/Senegal		110
Cameroon/Serbia	49	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cameroon/South Africa		55
Cameroon/Spain	209	
Cameroon/Togo		5,396
Cameroon/Tunisia		78
Cameroon/Türkiye	20,328	
Cameroon/Uganda	21*	
Cameroon/United Kingdom	-	
Cameroon/United Republic of Tanzania	-	
Cameroon/Zambia	113	
Canada/Algeria		7,825*
Canada/Antigua and Barbuda		8,913
Canada/Argentina		292
Canada/Australia	233,589*	
Canada/Austria	66,430	
Canada/Azerbaijan	565*	
Canada/Bahamas	21,825	
Canada/Barbados	29,184	
Canada/Belgium	77,176	
Canada/Belize	3,721	
Canada/Brazil		103,153
Canada/Bulgaria	435	
Canada/Cabo Verde		151
Canada/Chile		34,334
Canada/China		917,745
Canada/Colombia		53,390
Canada/Costa Rica	65,994	
Canada/Croatia	6,708	
Canada/Cuba	181,187	
Canada/Cyprus	985	
Canada/Czechia	576	
Canada/Denmark	35,936	
Canada/Dominican Republic	238,858	
Canada/Ecuador		1,138
Canada/Egypt		12,506*
Canada/El Salvador	15,854	
Canada/Ethiopia		63,553
Canada/Fiji		-
Canada/Finland	35	
Canada/France	630,559	
Canada/Germany	638,879	
Canada/Greece	104,760	
Canada/Grenada	3,894*	
Canada/Guatemala	4,236	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Canada/Guyana	110*	
Canada/Haiti		3,491
Canada/Honduras	2,521	
Canada/Hungary	243	
Canada/Iceland	40,887	
Canada/India		167,990*
Canada/Ireland	100,148	
Canada/Israel	68,147	
Canada/Italy	225,661	
Canada/Jamaica	87,409	
Canada/Japan	447,241	
Canada/Jordan		-
Canada/Latvia	1,006	
Canada/Lithuania	40	
Canada/Luxembourg	12,557*	
Canada/Malta	306	
Canada/Mauritania		177
Canada/Mexico	706,618	
Canada/Montenegro	41	
Canada/Morocco		69,281
Canada/Netherlands	326,052	
Canada/New Zealand	20,738*	
Canada/Nicaragua		4,022
Canada/Norway	344	
Canada/Pakistan		75,584
Canada/Panama		31,077
Canada/Peru		6,143
Canada/Philippines	-	
Canada/Poland	72,600	
Canada/Portugal	153,439	
Canada/Qatar	2,711*	
Canada/Republic of Korea	373,585	
Canada/Republic of Moldova	-	
Canada/Romania	75	
Canada/Saint Kitts and Nevis	1,267	
Canada/Saint Lucia		12,434
Canada/Saint Vincent and the Grenadines	2,245	
Canada/Saudi Arabia	51*	
Canada/Serbia	41	
Canada/Singapore	38,632	
Canada/Spain	132,508	
Canada/Sweden	6,586	
Canada/Switzerland	159,177	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Canada/Thailand	17,963	
Canada/Togo		286
Canada/Trinidad and Tobago	58*	
Canada/Tunisia		19,915
Canada/Türkiye	160,694	
Canada/Uganda	55	
Canada/United Arab Emirates	409,143	
Canada/United Kingdom	778,906	
Canada/United Republic of Tanzania	61	
Canada/United States	2,790,477	
Canada/Uruguay	-	
Canada/Venezuela (Bolivarian Republic of)		-
Central African Republic/Algeria		16
Central African Republic/Angola		-
Central African Republic/Benin		244
Central African Republic/Burkina Faso		45
Central African Republic/Burundi		70
Central African Republic/Cameroon		9,461
Central African Republic/Congo		21
Central African Republic/Democratic Republic of the Congo		173
Central African Republic/Egypt		42
Central African Republic/Equatorial Guinea		49
Central African Republic/Ethiopia		1,117*
Central African Republic/France		164
Central African Republic/Gabon		7
Central African Republic/Ghana		84
Central African Republic/Kenya		1,614
Central African Republic/Niger		193
Central African Republic/Oman		188
Central African Republic/Portugal		234
Central African Republic/Rwanda		53*
Central African Republic/Saudi Arabia		58
Central African Republic/Senegal		301
Central African Republic/South Africa		116
Central African Republic/Switzerland		27
Central African Republic/Togo		83
Central African Republic/Uganda		2,081
Central African Republic/United Republic of Tanzania		-
Central African Republic/Zambia		142
Chad/Algeria		65*
Chad/Angola		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Chad/Belgium		211
Chad/Benin		9
Chad/Burkina Faso		978
Chad/Burundi		143
Chad/Cameroon		3,281
Chad/Central African Republic		22
Chad/Comoros		-
Chad/Côte d'Ivoire		485
Chad/Czechia		77
Chad/Democratic Republic of the Congo		86
Chad/Denmark		78
Chad/Egypt		7,711
Chad/Equatorial Guinea		-
Chad/Ethiopia		13,255*
Chad/France		10,275
Chad/Gabon		56
Chad/Ghana		472
Chad/Guinea		152
Chad/Ireland		75
Chad/Italy		18
Chad/Kenya		7,627
Chad/Malawi		32
Chad/Morocco		-
Chad/Mozambique		-
Chad/Niger		2,293
Chad/Nigeria		4,671
Chad/Oman		187
Chad/Portugal		94
Chad/Rwanda		330
Chad/Saudi Arabia		104*
Chad/South Africa		136
Chad/Spain		183
Chad/Sudan		62
Chad/Switzerland		19
Chad/Togo		-
Chad/Tunisia		376
Chad/Türkiye		2,793
Chad/Uganda		2,449
Chad/United Arab Emirates		1,380
Chad/United Republic of Tanzania		-
Chad/Zambia		-
Chile/Argentina		83,460
Chile/Australia		12,839*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Chile/Barbados		1,866
Chile/Bolivia (Plurinational State of)		4,128
Chile/Brazil		190,197
Chile/Cabo Verde		234
Chile/Canada		35,663
Chile/Colombia		159,066
Chile/Costa Rica		41
Chile/Cuba		108
Chile/Dominican Republic		8,071
Chile/Ecuador		46,598
Chile/France		91,803
Chile/Ghana		44
Chile/Guatemala		360
Chile/Jamaica		19
Chile/Mexico		74,261
Chile/Namibia		273
Chile/New Zealand		79,155*
Chile/Nigeria		22,813*
Chile/Panama		101,856
Chile/Paraguay		5,571
Chile/Peru		146,489
Chile/Portugal		600
Chile/Samoa		378
Chile/Senegal		2,436
Chile/Spain		215,434
Chile/Suriname		47
Chile/Switzerland		-
Chile/Togo		277
Chile/Trinidad and Tobago		227
Chile/United Kingdom		45,558
Chile/United States		766,493
Chile/Uruguay		10,274
China/Afghanistan		42
China/Algeria		-
China/Armenia		535
China/Australia		1,450,593
China/Austria		131,849
China/Azerbaijan		465,863
China/Bahrain		79,096
China/Bangladesh		115,389
China/Belarus		13,285*
China/Belgium		596,469
China/Brunei Darussalam		11,597

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
China/Bulgaria		136
China/Cambodia		113,335
China/Canada		829,699
China/Cook Islands		60
China/Croatia		236
China/Cyprus		106
China/Czechia		8,997
China/Denmark		58,465
China/Djibouti		4,016
China/Egypt		42,294*
China/Eritrea		295
China/Eswatini		255
China/Ethiopia		529,649
China/Fiji		22,710
China/Finland		174,835
China/France		1,031,114
China/Georgia		13,488
China/Germany		2,247,168
China/Greece		24,675
China/Hungary		87,421
China/India		776,594
China/Indonesia		548,082
China/Iran (Islamic Republic of)		7,202*
China/Iraq		228
China/Ireland		5,906*
China/Israel		122,030
China/Italy		569,393
China/Japan		3,167,979
China/Jordan		1,056
China/Kazakhstan		482,581
China/Kenya		42,272
China/Kuwait		17,441
China/Kyrgyzstan		85,443
China/Lao People's Democratic Republic		18,502
China/Lebanon		363
China/Luxembourg		2,945
China/Malaysia		851,813
China/Maldives		55,009
China/Malta		131
China/Mexico		20,389
China/Mongolia		18,187
China/Morocco		397
China/Myanmar		31,525

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
China/Nepal		41,273
China/Netherlands		1,090,994
China/New Zealand		416,942
China/Norway		47
China/Oman		20,428
China/Pakistan		52,602
China/Palau		5,477
China/Papua New Guinea		12,624
China/Philippines		498,441
China/Poland		52,548
China/Portugal		24,685
China/Qatar		967,106
China/Republic of Korea		1,469,859
China/Romania		83
China/Russian Federation		495,206
China/Samoa		594
China/Saudi Arabia		311,149
China/Serbia		29,734
China/Seychelles		39
China/Singapore		1,641,512
China/South Africa		49,102
China/South Sudan		1,432
China/Spain		192,756
China/Sri Lanka		60,510
China/Sweden		24,870
China/Switzerland		214,216
China/Syrian Arab Republic		153
China/Tajikistan		3,704
China/Thailand		1,540,680
China/Türkiye		602,266
China/Turkmenistan		221,469
China/United Arab Emirates		2,229,099
China/United Kingdom		1,682,839
China/United Republic of Tanzania		-
China/United States		8,875,757
China/Uzbekistan		101,642
China/Vanuatu		47*
China/Viet Nam		670,269
Colombia/Antigua and Barbuda		19
Colombia/Argentina		75,103
Colombia/Bahamas		295
Colombia/Barbados		7
Colombia/Bolivia (Plurinational State of)		18,918

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Colombia/Brazil		99,650
Colombia/Canada		54,003
Colombia/Chile		129,099
Colombia/Costa Rica		28,311
Colombia/Cuba		8,870
Colombia/Czechia		50
Colombia/Dominican Republic		54,889
Colombia/Ecuador		57,715
Colombia/El Salvador		19,882
Colombia/Finland		44
Colombia/France		60,788
Colombia/Germany		66,979
Colombia/Guatemala		8,401
Colombia/Guyana		13
Colombia/Honduras		623
Colombia/Jamaica		27
Colombia/Mexico		206,598
Colombia/Netherlands		76,666
Colombia/Nicaragua		38
Colombia/Panama		114,555
Colombia/Paraguay		5,696
Colombia/Peru		81,171
Colombia/Portugal		597
Colombia/Spain		540,916
Colombia/Switzerland		-
Colombia/Türkiye		582
Colombia/United Kingdom		53,252
Colombia/United States		985,721
Colombia/Uruguay		12,214
Colombia/Venezuela (Bolivarian Republic of)		3,269
Comoros/Burundi		18
Comoros/Cameroon		-
Comoros/Chad		-
Comoros/Côte d'Ivoire		-
Comoros/Egypt		1,886
Comoros/Ethiopia		4,164
Comoros/France		699
Comoros/Ghana		21
Comoros/India		-
Comoros/Kenya		3,441
Comoros/Lesotho		12
Comoros/Madagascar		9*
Comoros/Mozambique		3

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Comoros/Rwanda		8
Comoros/Saudi Arabia		-
Comoros/Senegal		-
Comoros/Seychelles		-
Comoros/South Africa		-
Comoros/Uganda		-
Comoros/United Arab Emirates		25*
Comoros/United Republic of Tanzania		5,310
Comoros/Zambia		18
Congo/Algeria		-
Congo/Angola		3,633
Congo/Benin		1,883
Congo/Cabo Verde		53
Congo/Cameroon		1,616
Congo/Central African Republic		22*
Congo/Chad		13
Congo/Comoros		-
Congo/Côte d'Ivoire		3,554
Congo/Democratic Republic of the Congo		2,585
Congo/Egypt		85
Congo/Equatorial Guinea		-
Congo/Ethiopia		22,523
Congo/France		35,684
Congo/Gabon		189
Congo/Gambia		-
Congo/Ghana		-
Congo/Guinea-Bissau		-
Congo/Italy		54
Congo/Kenya		2,919
Congo/Malta		71
Congo/Morocco		22*
Congo/Nigeria		85
Congo/Oman		-
Congo/Qatar		-
Congo/Rwanda		2,546
Congo/Saudi Arabia		474
Congo/Senegal		41
Congo/South Africa		129
Congo/Switzerland		-
Congo/Togo		69
Congo/Tunisia		76
Congo/Türkiye		8,946
Congo/Uganda		484

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Congo/United Arab Emirates		453
Congo/United Kingdom		86*
Congo/Zambia		12
Congo/Zimbabwe		15
Cook Islands/Australia	-	
Cook Islands/China		58
Cook Islands/Fiji		-
Cook Islands/New Zealand	28,467	
Cook Islands/Republic of Korea	175	
Cook Islands/United States	1,518	
Costa Rica/Argentina		57
Costa Rica/Bahamas	521	
Costa Rica/Barbados	25	
Costa Rica/Belgium	158	
Costa Rica/Belize	36	
Costa Rica/Brazil		578
Costa Rica/Canada	66,892	
Costa Rica/Chile		77
Costa Rica/Colombia		26,281
Costa Rica/Cuba	23	
Costa Rica/Dominican Republic	5,135	
Costa Rica/Ecuador		3,335
Costa Rica/El Salvador	12,452	
Costa Rica/France	42,822	
Costa Rica/Germany	32,953	
Costa Rica/Guatemala	28,248	
Costa Rica/Guyana	32	
Costa Rica/Honduras	4,338	
Costa Rica/Italy	51	
Costa Rica/Jamaica	155	
Costa Rica/Mexico	45,341	
Costa Rica/Netherlands	16,149	
Costa Rica/Nicaragua		487
Costa Rica/Panama		29,024
Costa Rica/Peru		7,887
Costa Rica/Saint Kitts and Nevis	44	
Costa Rica/Saint Vincent and the Grenadines	17	
Costa Rica/Spain	80,092	
Costa Rica/Switzerland	-	
Costa Rica/United Kingdom	17,208	
Costa Rica/United Republic of Tanzania	137	
Costa Rica/United States	438,189	
Costa Rica/Venezuela (Bolivarian Republic of)		125

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Côte d'Ivoire/Algeria		5,081
Côte d'Ivoire/Angola		16
Côte d'Ivoire/Belgium	14,724*	
Côte d'Ivoire/Benin	8,210	
Côte d'Ivoire/Botswana	257	
Côte d'Ivoire/Brazil		-
Côte d'Ivoire/Bulgaria	-	
Côte d'Ivoire/Burkina Faso	8,576	
Côte d'Ivoire/Cabo Verde		11
Côte d'Ivoire/Cameroon	3,736	
Côte d'Ivoire/Central African Republic		46
Côte d'Ivoire/Chad		272
Côte d'Ivoire/Comoros		48*
Côte d'Ivoire/Congo		4,246
Côte d'Ivoire/Cyprus	22	
Côte d'Ivoire/Democratic Republic of the Congo	4,950	
Côte d'Ivoire/Djibouti		47
Côte d'Ivoire/Egypt		399
Côte d'Ivoire/Ethiopia		37,125
Côte d'Ivoire/France	128,513	
Côte d'Ivoire/Gabon	221	
Côte d'Ivoire/Gambia	30	
Côte d'Ivoire/Germany	148*	
Côte d'Ivoire/Ghana	16,316	
Côte d'Ivoire/Greece	37	
Côte d'Ivoire/Guinea		8,305
Côte d'Ivoire/Guinea-Bissau		-
Côte d'Ivoire/Italy	194	
Côte d'Ivoire/Kenya	-	
Côte d'Ivoire/Lebanon		102*
Côte d'Ivoire/Liberia		1,071
Côte d'Ivoire/Mali	7,140	
Côte d'Ivoire/Mauritania		14*
Côte d'Ivoire/Mauritius		33
Côte d'Ivoire/Morocco		20,282
Côte d'Ivoire/Niger		656*
Côte d'Ivoire/Nigeria	8,244	
Côte d'Ivoire/Portugal	22	
Côte d'Ivoire/Rwanda	89	
Côte d'Ivoire/Saudi Arabia	-	
Côte d'Ivoire/Senegal		20,592
Côte d'Ivoire/South Africa		790

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Côte d'Ivoire/Spain	191	
Côte d'Ivoire/Switzerland	70	
Côte d'Ivoire/Togo		6,192
Côte d'Ivoire/Tunisia		5,909
Côte d'Ivoire/Türkiye	10,887	
Côte d'Ivoire/Uganda	686	
Côte d'Ivoire/United Arab Emirates	425	
Côte d'Ivoire/United Kingdom	127	
Côte d'Ivoire/United Republic of Tanzania	-	
Côte d'Ivoire/United States	18,560*	
Côte d'Ivoire/Zambia	-	
Croatia/Albania	53	
Croatia/Armenia	22*	
Croatia/Austria	13,690	
Croatia/Azerbaijan	-	
Croatia/Belgium	13,599	
Croatia/Bosnia and Herzegovina	1,908	
Croatia/Bulgaria	1,176	
Croatia/Canada	8,051	
Croatia/Cyprus	2,860	
Croatia/Czechia	4,002	
Croatia/Denmark	13,731	
Croatia/Egypt		194
Croatia/Estonia	1,940	
Croatia/Finland	13,343	
Croatia/France	48,560	
Croatia/Georgia	24	
Croatia/Germany	101,956	
Croatia/Greece	6,195	
Croatia/Hungary	501	
Croatia/Iceland	1,130	
Croatia/Ireland	21,460	
Croatia/Israel	2,777	
Croatia/Italy	18,526	
Croatia/Jordan		9
Croatia/Kazakhstan	169	
Croatia/Kuwait		224
Croatia/Latvia	2,123	
Croatia/Lebanon		-
Croatia/Lithuania	1,453	
Croatia/Luxembourg	364	
Croatia/Malta	2,703	
Croatia/Montenegro	781	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Croatia/Morocco		-
Croatia/Netherlands	35,297	
Croatia/North Macedonia	3,059	
Croatia/Norway	16,835	
Croatia/Poland	20,051	
Croatia/Portugal	184	
Croatia/Qatar	-	
Croatia/Republic of Korea	1,011	
Croatia/Republic of Moldova	3	
Croatia/Romania	752	
Croatia/Saudi Arabia	90	
Croatia/Serbia	3,373	
Croatia/Slovakia	556	
Croatia/Slovenia	81	
Croatia/Spain	18,512	
Croatia/Sweden	20,967	
Croatia/Switzerland	11,520	
Croatia/Tunisia		145
Croatia/Türkiye	13,260	
Croatia/United Arab Emirates	10,130	
Croatia/United Kingdom	111,878	
Croatia/United States	12,499	
Croatia/Viet Nam		54
Cuba/Algeria		176
Cuba/Angola		-
Cuba/Antigua and Barbuda		16
Cuba/Argentina		9,298
Cuba/Bahamas	782	
Cuba/Barbados	17	
Cuba/Belgium	281	
Cuba/Bolivia (Plurinational State of)		484
Cuba/Brazil		139
Cuba/Cabo Verde		36
Cuba/Canada	171,270	
Cuba/Chile		100
Cuba/Colombia		8,301
Cuba/Congo		280
Cuba/Costa Rica	942	
Cuba/Czechia	1,329	
Cuba/Dominican Republic	6,905	
Cuba/El Salvador	114	
Cuba/France	36,998	
Cuba/Germany	40,339	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cuba/Grenada	19	
Cuba/Guyana	1,053	
Cuba/Haiti		1,831
Cuba/Honduras	95	
Cuba/Italy	11,945	
Cuba/Jamaica	914	
Cuba/Mexico	37,106	
Cuba/Morocco		1,016
Cuba/Netherlands	834	
Cuba/Nicaragua		2,255
Cuba/Panama		29,107
Cuba/Peru		1,440
Cuba/Poland	4,904	
Cuba/Portugal	5,967	
Cuba/Russian Federation		107,617
Cuba/Saint Kitts and Nevis	15	
Cuba/Saint Vincent and the Grenadines	178	
Cuba/Senegal		31
Cuba/Slovakia	328	
Cuba/Spain	134,370	
Cuba/Suriname	1,538	
Cuba/Switzerland	-	
Cuba/Trinidad and Tobago	-	
Cuba/Türkiye	191	
Cuba/United Kingdom	11,526	
Cuba/United States	97,665	
Cuba/Venezuela (Bolivarian Republic of)		9,190
Cyprus/Armenia	12,642	
Cyprus/Austria	30,503	
Cyprus/Azerbaijan	274	
Cyprus/Bahrain		2,130
Cyprus/Bangladesh		183
Cyprus/Belgium	7,913	
Cyprus/Bosnia and Herzegovina	-	
Cyprus/Bulgaria	7,779	
Cyprus/Canada	577	
Cyprus/Central African Republic		39
Cyprus/China		528
Cyprus/Croatia	3,183	
Cyprus/Czechia	9,636	
Cyprus/Denmark	16,928	
Cyprus/Djibouti		218
Cyprus/Egypt		3,092

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cyprus/Estonia	1,337	
Cyprus/Finland	8,044	
Cyprus/France	32,028	
Cyprus/Georgia	3,289	
Cyprus/Germany	59,724	
Cyprus/Greece	81,506	
Cyprus/Hungary	14,556	
Cyprus/Iceland	50	
Cyprus/India		57
Cyprus/Iraq	591	
Cyprus/Ireland	4,143	
Cyprus/Israel	27,001	
Cyprus/Italy	25,451	
Cyprus/Jordan		4,131
Cyprus/Kazakhstan	150	
Cyprus/Kenya	2,717	
Cyprus/Kuwait		1,281
Cyprus/Kyrgyzstan		29
Cyprus/Latvia	6,355	
Cyprus/Lebanon		3,741
Cyprus/Lithuania	6,469	
Cyprus/Luxembourg	64	
Cyprus/Madagascar	-	
Cyprus/Malaysia	307	
Cyprus/Maldives	474	
Cyprus/Malta	21,551	
Cyprus/Montenegro	36	
Cyprus/Morocco		43
Cyprus/Netherlands	11,109	
Cyprus/Nigeria	96	
Cyprus/North Macedonia	176	
Cyprus/Norway	13,801	
Cyprus/Oman	282	
Cyprus/Pakistan		99
Cyprus/Philippines	435	
Cyprus/Poland	48,058	
Cyprus/Portugal	420	
Cyprus/Qatar	13,017	
Cyprus/Republic of Moldova	833	
Cyprus/Romania	13,088	
Cyprus/Saudi Arabia	2,868	
Cyprus/Serbia	13,687	
Cyprus/Seychelles		31

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Cyprus/Slovakia	8,376	
Cyprus/Slovenia	18	
Cyprus/South Africa		47
Cyprus/Spain	1,728	
Cyprus/Sweden	23,824	
Cyprus/Switzerland	19,603	
Cyprus/Thailand	372	
Cyprus/Tunisia		8*
Cyprus/Türkiye	5,971	
Cyprus/Uganda	37	
Cyprus/United Arab Emirates	34,388	
Cyprus/United Kingdom	327,275	
Cyprus/United Republic of Tanzania	20	
Cyprus/United States	245	
Czechia/Albania	1,664	
Czechia/Argentina		129
Czechia/Armenia	656	
Czechia/Austria	6,903	
Czechia/Azerbaijan	3,329	
Czechia/Bahamas	47	
Czechia/Bahrain		12
Czechia/Belgium	11,917	
Czechia/Bosnia and Herzegovina	19	
Czechia/Brazil		100
Czechia/Bulgaria	16,331	
Czechia/Cabo Verde		8,315
Czechia/Canada	251	
Czechia/Chad		120
Czechia/China		9,418
Czechia/Croatia	3,963	
Czechia/Cuba	2,060	
Czechia/Cyprus	9,076	
Czechia/Denmark	8,297	
Czechia/Dominican Republic	5,964	
Czechia/Egypt		86,096
Czechia/Estonia	18	
Czechia/Finland	11,889	
Czechia/France	44,834	
Czechia/Georgia	3,454	
Czechia/Germany	31,693	
Czechia/Greece	61,564	
Czechia/Hungary	4,943	
Czechia/Iceland	4,925	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Czechia/India		82
Czechia/Iraq	171	
Czechia/Ireland	10,809	
Czechia/Israel	24,529	
Czechia/Italy	50,341	
Czechia/Jordan		2,743
Czechia/Kazakhstan	174	
Czechia/Kuwait		830
Czechia/Kyrgyzstan		34
Czechia/Latvia	4,354	
Czechia/Lebanon		44
Czechia/Lithuania	163	
Czechia/Luxembourg	886	
Czechia/Madagascar	1,524	
Czechia/Malaysia	55	
Czechia/Maldives	688	
Czechia/Malta	1,972	
Czechia/Mauritius		231
Czechia/Montenegro	1,011	
Czechia/Morocco		1,661
Czechia/Namibia	45	
Czechia/Netherlands	21,500	
Czechia/North Macedonia	3*	
Czechia/Norway	7,700	
Czechia/Oman	6,686	
Czechia/Pakistan		29
Czechia/Poland	14,354	
Czechia/Portugal	24,004	
Czechia/Qatar	-	
Czechia/Republic of Korea	36,066	
Czechia/Republic of Moldova	315	
Czechia/Romania	4,776	
Czechia/Saudi Arabia	1,367	
Czechia/Senegal		829
Czechia/Serbia	1,984	
Czechia/Seychelles		156
Czechia/Singapore	52	
Czechia/Slovakia	2,427	
Czechia/Slovenia	82	
Czechia/South Africa		49
Czechia/Spain	88,103	
Czechia/Sri Lanka		1,298
Czechia/Sweden	8,162	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Czechia/Switzerland	12,478	
Czechia/Thailand	4,364	
Czechia/Tunisia		16,787
Czechia/Türkiye	72,737	
Czechia/Uganda	114	
Czechia/United Arab Emirates	70,792	
Czechia/United Kingdom	83,066	
Czechia/United Republic of Tanzania	3,565	
Czechia/United States	21,847	
Czechia/Uzbekistan		7,605
Czechia/Viet Nam		1,977
Czechia/Zambia	51	
Democratic Republic of the Congo/Algeria		149
Democratic Republic of the Congo/Angola		801
Democratic Republic of the Congo/Austria	38	
Democratic Republic of the Congo/Belgium	50,543	
Democratic Republic of the Congo/Benin	104	
Democratic Republic of the Congo/Botswana	31	
Democratic Republic of the Congo/Brazil		8,827
Democratic Republic of the Congo/Bulgaria	94	
Democratic Republic of the Congo/Burkina Faso	54	
Democratic Republic of the Congo/Burundi		36
Democratic Republic of the Congo/Cameroon	5*	
Democratic Republic of the Congo/Central African Republic		6*
Democratic Republic of the Congo/Chad		22*
Democratic Republic of the Congo/Congo		1,761
Democratic Republic of the Congo/Côte d'Ivoire	4,338	
Democratic Republic of the Congo/Djibouti		113
Democratic Republic of the Congo/Egypt		4,237
Democratic Republic of the Congo/Ethiopia		65,450
Democratic Republic of the Congo/France	38,535	
Democratic Republic of the Congo/Gabon	117	
Democratic Republic of the Congo/Germany	35	
Democratic Republic of the Congo/Ghana	56	
Democratic Republic of the Congo/Italy	34	
Democratic Republic of the Congo/Jordan		73
Democratic Republic of the Congo/Kenya	19,394	
Democratic Republic of the Congo/Liberia		21
Democratic Republic of the Congo/Madagascar	123	
Democratic Republic of the Congo/Malawi		1,242*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Democratic Republic of the Congo/Mauritania		132
Democratic Republic of the Congo/Morocco		-
Democratic Republic of the Congo/Namibia	81*	
Democratic Republic of the Congo/Nigeria	402	
Democratic Republic of the Congo/Qatar	53*	
Democratic Republic of the Congo/Rwanda	95	
Democratic Republic of the Congo/Sao Tome and Principe		11
Democratic Republic of the Congo/Saudi Arabia	1,156	
Democratic Republic of the Congo/Senegal		451
Democratic Republic of the Congo/South Africa		15,447
Democratic Republic of the Congo/South Sudan	71	
Democratic Republic of the Congo/Spain	273	
Democratic Republic of the Congo/Switzerland	57	
Democratic Republic of the Congo/Togo		6,473
Democratic Republic of the Congo/Tunisia		21
Democratic Republic of the Congo/Türkiye	21,818	
Democratic Republic of the Congo/Uganda	4,761	
Democratic Republic of the Congo/United Arab Emirates	836	
Democratic Republic of the Congo/United Kingdom	158	
Democratic Republic of the Congo/United Republic of Tanzania	-	
Democratic Republic of the Congo/United States	64	
Democratic Republic of the Congo/Zambia	1,056	
Democratic Republic of the Congo/Zimbabwe	86	
Denmark/Afghanistan	561	
Denmark/Albania	142	
Denmark/Austria	27,985	
Denmark/Bahamas	78	
Denmark/Belgium	25,264	
Denmark/Bosnia and Herzegovina	702	
Denmark/Bulgaria	6,801	
Denmark/Cabo Verde		4,342
Denmark/Canada	40,468	
Denmark/China		49,205
Denmark/Croatia	13,382	
Denmark/Cuba	178	
Denmark/Cyprus	15,496	
Denmark/Czechia	7,945	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Denmark/Egypt		16,091
Denmark/Estonia	3,110	
Denmark/Ethiopia		4,560
Denmark/Finland	34,680	
Denmark/France	89,267	
Denmark/Georgia	388	
Denmark/Germany	103,888	
Denmark/Greece	84,535	
Denmark/Hungary	10,197	
Denmark/Iceland	57,169	
Denmark/India		14,573
Denmark/Iraq	-	
Denmark/Ireland	15,421	
Denmark/Israel	3,134	
Denmark/Italy	86,939	
Denmark/Japan	23,136	
Denmark/Jordan		-
Denmark/Kazakhstan	74	
Denmark/Kenya	80	
Denmark/Kyrgyzstan		30
Denmark/Latvia	6,815	
Denmark/Lebanon		6,678
Denmark/Lithuania	13,333	
Denmark/Luxembourg	2,401	
Denmark/Maldives	101	
Denmark/Malta	5,749	
Denmark/Mexico	1,841	
Denmark/Montenegro	295*	
Denmark/Morocco		3,741
Denmark/Netherlands	59,380	
Denmark/Nigeria	44	
Denmark/North Macedonia	2,729	
Denmark/Norway	96,841	
Denmark/Pakistan		218
Denmark/Poland	32,007	
Denmark/Portugal	43,832	
Denmark/Qatar	63,206	
Denmark/Republic of Moldova	27	
Denmark/Romania	13,615	
Denmark/Saudi Arabia	47	
Denmark/Serbia	5,945	
Denmark/Singapore	57,631	
Denmark/Slovakia	343	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Denmark/Slovenia	78	
Denmark/Spain	265,932	
Denmark/Sweden	52,139	
Denmark/Switzerland	32,607	
Denmark/Thailand	116,280	
Denmark/Tunisia		258
Denmark/Türkiye	103,459	
Denmark/United Arab Emirates	58,253	
Denmark/United Kingdom	147,734	
Denmark/United States	405,259	
Denmark/Uzbekistan		16,676
Djibouti/Bahrain		2,293
Djibouti/Bangladesh		1,215
Djibouti/Belgium		5,199
Djibouti/Benin		92
Djibouti/Bulgaria		579
Djibouti/Central African Republic		56
Djibouti/China		20,166
Djibouti/Côte d'Ivoire		32
Djibouti/Egypt		380
Djibouti/Ethiopia		6,494
Djibouti/France		7,420
Djibouti/Germany		1,126
Djibouti/Ghana		879
Djibouti/Greece		547
Djibouti/India		1,469
Djibouti/Italy		53
Djibouti/Japan		-
Djibouti/Jordan		101
Djibouti/Kenya		3,790
Djibouti/Kuwait		1,056
Djibouti/Lebanon		60
Djibouti/Madagascar		33
Djibouti/Mauritius		177
Djibouti/Nepal		93
Djibouti/Netherlands		361
Djibouti/Nigeria		96*
Djibouti/North Macedonia		51
Djibouti/Oman		1,518
Djibouti/Qatar		-
Djibouti/Republic of Korea		263
Djibouti/Romania		94
Djibouti/Saudi Arabia		15*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Djibouti/Seychelles		27
Djibouti/Singapore		-
Djibouti/Somalia		148
Djibouti/South Africa		161
Djibouti/South Sudan		16
Djibouti/Sri Lanka		113
Djibouti/Sudan		-
Djibouti/Thailand		128
Djibouti/Türkiye		6,480
Djibouti/Uganda		-
Djibouti/United Arab Emirates		4,866
Djibouti/United Republic of Tanzania		43
Djibouti/Uzbekistan		29
Djibouti/Viet Nam		266
Djibouti/Yemen		164
Djibouti/Zimbabwe		39
Dominica/Antigua and Barbuda		57
Dominica/Bahamas		31
Dominica/Barbados		953
Dominica/Canada		22
Dominica/Dominican Republic		7
Dominica/Ecuador		11
Dominica/Grenada		20
Dominica/Haiti		46
Dominica/Jamaica		20
Dominica/Netherlands		3
Dominica/Saint Kitts and Nevis		2*
Dominica/Saint Lucia		285
Dominica/Trinidad and Tobago		13*
Dominica/United Kingdom		169
Dominica/United States		4,118
Dominican Republic/Antigua and Barbuda		685
Dominican Republic/Argentina		20,160
Dominican Republic/Bahamas	362	
Dominican Republic/Barbados	457	
Dominican Republic/Belgium	11,762	
Dominican Republic/Belize	10	
Dominican Republic/Bolivia (Plurinational State of)		11
Dominican Republic/Brazil		9,430
Dominican Republic/Canada	251,415	
Dominican Republic/Chile		7,465
Dominican Republic/Colombia		61,577

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Dominican Republic/Costa Rica	3,506	
Dominican Republic/Cuba	6,801	
Dominican Republic/Cyprus	-	
Dominican Republic/Czechia	4,565	
Dominican Republic/Denmark	789	
Dominican Republic/Dominica		41
Dominican Republic/Ecuador		9,212
Dominican Republic/El Salvador	5,428	
Dominican Republic/France	59,899	
Dominican Republic/Germany	117,826	
Dominican Republic/Grenada	39	
Dominican Republic/Guatemala	4,434	
Dominican Republic/Guinea-Bissau		33
Dominican Republic/Guyana	926	
Dominican Republic/Haiti		1,968
Dominican Republic/Honduras	48	
Dominican Republic/Ireland	117	
Dominican Republic/Italy	18,414	
Dominican Republic/Jamaica	5,611	
Dominican Republic/Latvia	185	
Dominican Republic/Mexico	23,247	
Dominican Republic/Netherlands	8,856	
Dominican Republic/Nicaragua		4,231
Dominican Republic/Norway	168	
Dominican Republic/Panama		70,229
Dominican Republic/Peru		35,761
Dominican Republic/Poland	17,124	
Dominican Republic/Portugal	13,890	
Dominican Republic/Saint Kitts and Nevis	346	
Dominican Republic/Saint Lucia		72
Dominican Republic/Saint Vincent and the Grenadines	249	
Dominican Republic/Serbia	38	
Dominican Republic/Slovakia	145	
Dominican Republic/Spain	175,598	
Dominican Republic/Suriname	154	
Dominican Republic/Sweden	39	
Dominican Republic/Switzerland	44*	
Dominican Republic/Trinidad and Tobago	224	
Dominican Republic/Türkiye	642	
Dominican Republic/United Kingdom	74,899	
Dominican Republic/United States	914,611	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Dominican Republic/Venezuela (Bolivarian Republic of)		7,686
Ecuador/Argentina		8,688
Ecuador/Bahamas		15
Ecuador/Bolivia (Plurinational State of)		40
Ecuador/Brazil		1,373
Ecuador/Canada		579
Ecuador/Chile		13,096
Ecuador/Colombia		52,389
Ecuador/Costa Rica		4,194
Ecuador/Dominican Republic		2,827
Ecuador/El Salvador		7,111
Ecuador/Guatemala		19
Ecuador/Honduras		433
Ecuador/Jamaica		66
Ecuador/Mexico		35,507
Ecuador/Netherlands		77,623
Ecuador/Nicaragua		19
Ecuador/Panama		59,567
Ecuador/Peru		21,521
Ecuador/Portugal		154
Ecuador/Spain		125,261
Ecuador/United Kingdom		113
Ecuador/United States		452,393
Ecuador/Uruguay		89
Ecuador/Venezuela (Bolivarian Republic of)		100
Egypt/Albania		1,407
Egypt/Algeria		14,723
Egypt/Angola		468
Egypt/Armenia		16,265
Egypt/Austria		48,534
Egypt/Azerbaijan		2,937
Egypt/Bahrain		26,807
Egypt/Belarus		-
Egypt/Belgium		66,423
Egypt/Bosnia and Herzegovina		1,958
Egypt/Botswana		41
Egypt/Bulgaria		5,725
Egypt/Burkina Faso		230
Egypt/Burundi		60
Egypt/Cambodia		1,663
Egypt/Cameroon		7,178
Egypt/Canada		14,104*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt/Central African Republic		139
Egypt/Chad		7,794
Egypt/China		76,984
Egypt/Comoros		4,194*
Egypt/Congo		107
Egypt/Côte d'Ivoire		120
Egypt/Croatia		205
Egypt/Cuba		-
Egypt/Cyprus		2,843
Egypt/Czechia		91,382
Egypt/Democratic Republic of the Congo		4,382
Egypt/Denmark		17,864
Egypt/Djibouti		352
Egypt/Equatorial Guinea		-
Egypt/Eritrea		3,680
Egypt/Estonia		9,064
Egypt/Eswatini		52
Egypt/Ethiopia		34,540
Egypt/Finland		1,351
Egypt/France		109,288
Egypt/Gabon		53
Egypt/Georgia		672
Egypt/Germany		378,958
Egypt/Ghana		10,557
Egypt/Greece		18,426
Egypt/Hungary		15,301
Egypt/Iceland		235
Egypt/India		14,090
Egypt/Indonesia		55
Egypt/Iraq		17,446
Egypt/Ireland		4,987
Egypt/Israel		7,106
Egypt/Italy		193,992
Egypt/Jordan		29,742
Egypt/Kazakhstan		19,503
Egypt/Kenya		18,239
Egypt/Kuwait		145,815
Egypt/Latvia		10,788
Egypt/Lebanon		16,319
Egypt/Libya		13,891
Egypt/Lithuania		17,877
Egypt/Luxembourg		7,129
Egypt/Madagascar		214

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt/Malawi		42
Egypt/Malaysia		796
Egypt/Maldives		30
Egypt/Mali		1,794*
Egypt/Malta		524
Egypt/Marshall Islands		913
Egypt/Mauritania		29
Egypt/Mauritius		525
Egypt/Montenegro		467
Egypt/Morocco		35,756
Egypt/Mozambique		106
Egypt/Netherlands		46,515
Egypt/Niger		68
Egypt/Nigeria		36,212
Egypt/North Macedonia		2,241
Egypt/Norway		2,523
Egypt/Oman		30,767
Egypt/Pakistan		192
Egypt/Poland		143,477
Egypt/Portugal		636
Egypt/Qatar		89,754
Egypt/Republic of Korea		3,026
Egypt/Republic of Moldova		13,628
Egypt/Romania		28,079
Egypt/Russian Federation		202,286
Egypt/Rwanda		4,501
Egypt/Saudi Arabia		595,532
Egypt/Senegal		326
Egypt/Serbia		12,011
Egypt/Seychelles		183
Egypt/Singapore		130
Egypt/Slovakia		9,600
Egypt/Slovenia		3,451
Egypt/Somalia		592
Egypt/South Africa		31,062
Egypt/South Sudan		3,808
Egypt/Spain		59,538
Egypt/Sudan		20,726
Egypt/Sweden		6,554
Egypt/Switzerland		65,026
Egypt/Syrian Arab Republic		47
Egypt/Tajikistan		-
Egypt/Thailand		8,430

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Egypt/Togo		46
Egypt/Tunisia		12,336
Egypt/Türkiye		101,647
Egypt/Uganda		4,381
Egypt/Ukraine		81
Egypt/United Arab Emirates		321,960
Egypt/United Kingdom		219,746
Egypt/United Republic of Tanzania		15,472
Egypt/United States		139,200
Egypt/Uzbekistan		8,271
Egypt/Viet Nam		313
Egypt/Yemen		22,740
Egypt/Zambia		101
Egypt/Zimbabwe		537*
El Salvador/Barbados	-	
El Salvador/Belize	13	
El Salvador/Canada	15,138	
El Salvador/Chile		151
El Salvador/Colombia		21,223
El Salvador/Costa Rica	12,235	
El Salvador/Cuba	135*	
El Salvador/Dominican Republic	5,455	
El Salvador/Ecuador		12,100
El Salvador/Guatemala	6,624	
El Salvador/Guyana	-	
El Salvador/Honduras	5,085	
El Salvador/Mexico	16,733	
El Salvador/Nicaragua		8,402
El Salvador/Panama		10,437
El Salvador/Peru		200
El Salvador/Portugal	180	
El Salvador/Senegal		401
El Salvador/Spain	78,825	
El Salvador/United Kingdom	101	
El Salvador/United States	314,578	
Equatorial Guinea/Angola		-
Equatorial Guinea/Azerbaijan	-	
Equatorial Guinea/Benin	1,134	
Equatorial Guinea/Burkina Faso	12	
Equatorial Guinea/Cameroon	3,796	
Equatorial Guinea/Central African Republic		103*
Equatorial Guinea/Chad		59
Equatorial Guinea/Congo		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Equatorial Guinea/Côte d'Ivoire	4	
Equatorial Guinea/Democratic Republic of the Congo	127	
Equatorial Guinea/Egypt		28
Equatorial Guinea/Ethiopia		13,628
Equatorial Guinea/Gabon	161	
Equatorial Guinea/Germany	-	
Equatorial Guinea/Ghana	43	
Equatorial Guinea/Kenya	-	
Equatorial Guinea/Morocco		-
Equatorial Guinea/Nigeria	5,081	
Equatorial Guinea/Portugal	22	
Equatorial Guinea/Rwanda	-	
Equatorial Guinea/Sao Tome and Principe		2*
Equatorial Guinea/Spain	3,594	
Equatorial Guinea/Togo		-
Equatorial Guinea/United Arab Emirates	127	
Eritrea/Austria		44
Eritrea/Egypt		3,595
Eritrea/Ethiopia		10,666
Eritrea/India		77
Eritrea/Jordan		44
Eritrea/Kenya		1,609*
Eritrea/South Africa		49
Eritrea/Türkiye		5,341
Eritrea/United Arab Emirates		20*
Estonia/Albania	19	
Estonia/Austria	5,850	
Estonia/Azerbaijan	17*	
Estonia/Bahrain		98
Estonia/Belgium	1,605	
Estonia/Bulgaria	939	
Estonia/Croatia	1,057	
Estonia/Cyprus	1,311	
Estonia/Czechia	46	
Estonia/Denmark	7,475	
Estonia/Egypt		9,855
Estonia/Finland	5,101	
Estonia/France	1,743	
Estonia/Georgia	1,613	
Estonia/Germany	26,266	
Estonia/Greece	4,487	
Estonia/Iceland	16	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Estonia/Ireland	936	
Estonia/Italy	10,309	
Estonia/Kuwait		78
Estonia/Kyrgyzstan		96
Estonia/Latvia	3,166	
Estonia/Lithuania	5,166	
Estonia/Maldives	32*	
Estonia/Malta	762	
Estonia/Montenegro	1,575	
Estonia/Netherlands	2,435	
Estonia/Norway	2,977	
Estonia/Poland	12,598	
Estonia/Portugal	617	
Estonia/Romania	24	
Estonia/Saudi Arabia	28	
Estonia/Slovakia	5	
Estonia/Spain	11,401	
Estonia/Sweden	6,192	
Estonia/Switzerland	5,247	
Estonia/Tunisia		777
Estonia/Türkiye	22,440	
Estonia/United Arab Emirates	409	
Estonia/United Kingdom	7,229	
Estonia/United States	826	
Estonia/Uzbekistan		52
Eswatini/China		255
Eswatini/Egypt		52
Eswatini/Namibia		19
Eswatini/South Africa		3,029
Ethiopia/Algeria		127*
Ethiopia/Angola		20,382
Ethiopia/Australia		1,457
Ethiopia/Austria		32,132
Ethiopia/Bahrain		2,823
Ethiopia/Bangladesh		2,339
Ethiopia/Belgium		143,171
Ethiopia/Benin		7,764
Ethiopia/Botswana		8,184
Ethiopia/Brazil		56,854
Ethiopia/Burkina Faso		15,085
Ethiopia/Burundi		7,643
Ethiopia/Cambodia		493
Ethiopia/Cameroon		25,039

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ethiopia/Canada		305
Ethiopia/Central African Republic		2,220
Ethiopia/Chad		12,416
Ethiopia/China		323,443
Ethiopia/Comoros		4,052
Ethiopia/Congo		20,558
Ethiopia/Côte d'Ivoire		33,984
Ethiopia/Cuba		228
Ethiopia/Czechia		100
Ethiopia/Democratic Republic of the Congo		59,487
Ethiopia/Denmark		44
Ethiopia/Djibouti		8,385
Ethiopia/Egypt		29,607
Ethiopia/Equatorial Guinea		11,299
Ethiopia/Eritrea		10,781
Ethiopia/France		50,178
Ethiopia/Gabon		14,531
Ethiopia/Germany		45,922
Ethiopia/Ghana		63,714
Ethiopia/Greece		6,092
Ethiopia/Guinea		583
Ethiopia/India		131,819
Ethiopia/Indonesia		174
Ethiopia/Ireland		132,664
Ethiopia/Israel		18,483
Ethiopia/Italy		92,837
Ethiopia/Japan		2,510
Ethiopia/Jordan		4,999*
Ethiopia/Kenya		35,702
Ethiopia/Kuwait		10,070
Ethiopia/Lebanon		22,969
Ethiopia/Libya		81
Ethiopia/Madagascar		24,017
Ethiopia/Malawi		25,067
Ethiopia/Malaysia		1,225
Ethiopia/Maldives		22
Ethiopia/Mali		44,077
Ethiopia/Malta		104
Ethiopia/Mauritania		203
Ethiopia/Mozambique		18,388
Ethiopia/Namibia		22,625
Ethiopia/Nepal		1,013
Ethiopia/Netherlands		128

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ethiopia/Niger		15,550
Ethiopia/Nigeria		126,720*
Ethiopia/Norway		470
Ethiopia/Oman		6,463
Ethiopia/Pakistan		4,578
Ethiopia/Philippines		269
Ethiopia/Qatar		18,665
Ethiopia/Republic of Korea		42,634
Ethiopia/Russian Federation		22,352
Ethiopia/Rwanda		11,556
Ethiopia/Saudi Arabia		46,895*
Ethiopia/Senegal		200
Ethiopia/Serbia		39
Ethiopia/Seychelles		9,801
Ethiopia/Sierra Leone		144
Ethiopia/Singapore		23,300
Ethiopia/Somalia		16,363
Ethiopia/South Africa		131,962
Ethiopia/South Sudan		10,200*
Ethiopia/Spain		2,413
Ethiopia/Sri Lanka		384
Ethiopia/Sudan		3,689
Ethiopia/Sweden		45,722
Ethiopia/Switzerland		30,219
Ethiopia/Thailand		46,912
Ethiopia/Togo		36,045
Ethiopia/Tunisia		157
Ethiopia/Türkiye		37,813
Ethiopia/Uganda		20,403
Ethiopia/United Arab Emirates		131,401
Ethiopia/United Kingdom		55,213
Ethiopia/United Republic of Tanzania		42,444
Ethiopia/United States		6,959
Ethiopia/Viet Nam		624
Ethiopia/Yemen		360
Ethiopia/Zambia		30,076*
Ethiopia/Zimbabwe		33,886
Fiji/Australia		154,363
Fiji/Canada		-
Fiji/China		46*
Fiji/Cook Islands		-
Fiji/France		1,905
Fiji/India		331

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Fiji/Indonesia		497
Fiji/Japan		-
Fiji/Kiribati		-
Fiji/Malaysia		190*
Fiji/Nauru		1,383
Fiji/New Zealand		60,774
Fiji/Republic of Korea		47
Fiji/Samoa		-
Fiji/Singapore		-
Fiji/Solomon Islands		4,027
Fiji/Thailand		277
Fiji/Tonga		16*
Fiji/United States		110,202
Fiji/Vanuatu		1,015
Finland/Austria	15,526	
Finland/Azerbaijan	30*	
Finland/Belgium	31,522	
Finland/Bulgaria	1,646	
Finland/Cabo Verde		453
Finland/China		129,395
Finland/Croatia	13,335	
Finland/Cyprus	7,521	
Finland/Czechia	12,566	
Finland/Denmark	30,939	
Finland/Egypt		1,318
Finland/Estonia	5,477	
Finland/France	60,373	
Finland/Germany	115,524	
Finland/Greece	56,176	
Finland/Hungary	9,046	
Finland/Iceland	15,952	
Finland/India		63,942*
Finland/Ireland	11,008	
Finland/Israel	6,384	
Finland/Italy	63,780	
Finland/Japan	161,023*	
Finland/Kazakhstan	28	
Finland/Latvia	10,688	
Finland/Lithuania	4,459	
Finland/Luxembourg	222	
Finland/Malta	212	
Finland/Mexico	1,778	
Finland/Montenegro	688	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Finland/Netherlands	44,073	
Finland/Norway	23,135	
Finland/Poland	20,319	
Finland/Portugal	20,513	
Finland/Qatar	41,990*	
Finland/Republic of Korea	79,251*	
Finland/Romania	571	
Finland/Saudi Arabia	26	
Finland/Serbia	1,532	
Finland/Seychelles		48
Finland/Singapore	86,616	
Finland/Slovakia	344	
Finland/Slovenia	1,800*	
Finland/Spain	163,645	
Finland/Sweden	47,083	
Finland/Switzerland	24,237	
Finland/Thailand	116,260	
Finland/Türkiye	47,597	
Finland/Turkmenistan		71
Finland/United Arab Emirates	7,604	
Finland/United Kingdom	96,614	
Finland/United States	169,832	
Finland/Uzbekistan		-
France/Albania	10,112	
France/Algeria		326,229
France/Angola		23,507
France/Antigua and Barbuda		114
France/Argentina		93,023
France/Armenia	25,194	
France/Australia	17,444	
France/Austria	68,166	
France/Azerbaijan	4,538	
France/Bahamas	9,178	
France/Bahrain		17,483
France/Bangladesh		38
France/Barbados	123	
France/Belgium	92,501	
France/Belize	18	
France/Benin	47,953	
France/Bolivia (Plurinational State of)		191
France/Bosnia and Herzegovina	3,566	
France/Brazil		426,644
France/Bulgaria	18,243	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France/Burkina Faso	9,396	
France/Cabo Verde		6,294
France/Cameroon	59,364	
France/Canada	729,164	
France/Central African Republic		8,398
France/Chad		12,241
France/Chile		97,688
France/China		819,042
France/Colombia		68,798
France/Comoros		771
France/Congo		50,118
France/Cook Islands	-	
France/Costa Rica	49,075	
France/Côte d'Ivoire	128,396	
France/Croatia	42,525	
France/Cuba	45,005	
France/Cyprus	27,563	
France/Czechia	39,386	
France/Democratic Republic of the Congo	24,209	
France/Denmark	82,610	
France/Djibouti		7,782
France/Dominican Republic	47,809	
France/Ecuador		75
France/Egypt		96,080
France/Equatorial Guinea	12,320	
France/Estonia	9,881	
France/Ethiopia		49,061
France/Fiji		2,339
France/Finland	58,705	
France/Gabon	40,349	
France/Gambia	2,421	
France/Georgia	15,254	
France/Germany	422,914	
France/Ghana	16,864	
France/Greece	254,916	
France/Grenada	-	
France/Guatemala	82	
France/Guinea		14,302
France/Guinea-Bissau		18
France/Guyana	47	
France/Haiti		11,329
France/Hungary	36,896	
France/Iceland	38,156	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France/India		377,906
France/Indonesia	47*	
France/Iran (Islamic Republic of)		-
France/Iraq	265	
France/Ireland	117,511	
France/Israel	147,622	
France/Italy	564,825	
France/Jamaica	132	
France/Japan	481,337	
France/Jordan		32,325
France/Kazakhstan	6,084	
France/Kenya	96,836	
France/Kuwait		37,929
France/Kyrgyzstan		141
France/Latvia	3,228	
France/Lebanon		73,300
France/Libya		18
France/Lithuania	11,825	
France/Luxembourg	14,015	
France/Madagascar	70,354	
France/Malaysia	-	
France/Maldives	6,388	
France/Mali	31,010	
France/Malta	36,324	
France/Mauritania		11,783
France/Mauritius		207,163
France/Mexico	360,491	
France/Mongolia		480
France/Montenegro	4,334	
France/Morocco		593,016
France/Mozambique		425
France/Namibia	39*	
France/Netherlands	193,368	
France/New Zealand	29,394	
France/Niger		15,559
France/Nigeria	47,064	
France/North Macedonia	11,960	
France/Norway	56,992	
France/Oman	32,742	
France/Pakistan		380
France/Panama		64,937
France/Papua New Guinea	34	
France/Peru		79,911

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France/Philippines	440*	
France/Poland	89,467	
France/Portugal	466,257	
France/Qatar	249,174	
France/Republic of Korea	323,499	
France/Republic of Moldova	6,526	
France/Romania	90,768	
France/Rwanda	12,051	
France/Saint Kitts and Nevis	130	
France/Saint Lucia		5
France/Saint Vincent and the Grenadines	417	
France/Samoa		50
France/Saudi Arabia	94,730	
France/Senegal		102,318
France/Serbia	24,655	
France/Seychelles		1,456
France/Sierra Leone		14,550
France/Singapore	385,264	
France/Slovakia	1,008	
France/Slovenia	6,789	
France/Solomon Islands		183
France/Somalia		210
France/South Africa		122,551
France/Spain	746,973	
France/Sri Lanka		11,675
France/Suriname	69	
France/Sweden	73,473	
France/Switzerland	97,577	
France/Tajikistan		29
France/Thailand	165,980	
France/Togo		24,500
France/Trinidad and Tobago	-	
France/Tunisia		242,782
France/Türkiye	336,501	
France/Turkmenistan		214
France/Uganda	616	
France/United Arab Emirates	562,695	
France/United Kingdom	517,642	
France/United Republic of Tanzania	22,589	
France/United States	3,606,074	
France/Uzbekistan		4,802
France/Vanuatu	569*	
France/Viet Nam		153,321

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
France/Zambia	83	
France/Zimbabwe	78	
Gabon/Algeria		84
Gabon/Angola		1,240
Gabon/Belgium	193	
Gabon/Benin	5,705	
Gabon/Cameroon	4,141	
Gabon/Central African Republic		317
Gabon/Comoros		22
Gabon/Congo		2,548
Gabon/Côte d'Ivoire	18*	
Gabon/Democratic Republic of the Congo	128	
Gabon/Djibouti		98
Gabon/Egypt		30
Gabon/Equatorial Guinea	3*	
Gabon/Ethiopia		10,563
Gabon/France	36,494	
Gabon/Ghana	92	
Gabon/India		43
Gabon/Italy	-	
Gabon/Kenya	830	
Gabon/Maldives	43	
Gabon/Mali	110	
Gabon/Malta	140	
Gabon/Morocco		6,921
Gabon/Mozambique		64
Gabon/Namibia	-	
Gabon/Nigeria	1,780	
Gabon/Rwanda	10*	
Gabon/Sao Tome and Principe		688
Gabon/Senegal		51
Gabon/Sierra Leone		12
Gabon/South Africa		3,791
Gabon/Spain	140	
Gabon/Switzerland	61	
Gabon/Togo		2,568
Gabon/Türkiye	7,223	
Gabon/Uganda	316	
Gabon/United Arab Emirates	447	
Gabon/United Kingdom	487	
Gabon/Zambia	17	
Gabon/Zimbabwe	12	
Gambia/Barbados	26	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Gambia/Belgium	4,151	
Gambia/Cabo Verde		1,109
Gambia/France	2,215	
Gambia/Ghana	88	
Gambia/Guinea		779
Gambia/Guinea-Bissau		-
Gambia/Kenya	-	
Gambia/Liberia		-
Gambia/Mauritania		1,890
Gambia/Morocco		-
Gambia/Netherlands	3,542	
Gambia/Nigeria	-	
Gambia/Poland	973	
Gambia/Portugal	1,787	
Gambia/Saudi Arabia	1,315	
Gambia/Senegal		2,969
Gambia/Sierra Leone		4,634
Gambia/Spain	5,103	
Gambia/Suriname	18	
Gambia/Togo		-
Gambia/Türkiye	8,502	
Gambia/United Arab Emirates	-	
Gambia/United Kingdom	7,290	
Georgia/Afghanistan	407	
Georgia/Albania	84	
Georgia/Armenia	1,960	
Georgia/Austria	5,139	
Georgia/Azerbaijan	13,291	
Georgia/Bahrain		2,244
Georgia/Bangladesh		82
Georgia/Belarus		378*
Georgia/Belgium	2,185	
Georgia/Bulgaria	68	
Georgia/Cambodia	38	
Georgia/Canada	233	
Georgia/China		27,445
Georgia/Croatia	19	
Georgia/Cyprus	3,477	
Georgia/Czechia	3,865	
Georgia/Denmark	617	
Georgia/Egypt		607
Georgia/Estonia	1,568	
Georgia/Finland	62	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Georgia/France	15,416	
Georgia/Germany	33,226	
Georgia/Greece	10,618	
Georgia/Hungary	3,454	
Georgia/Iceland	376	
Georgia/India		4,794
Georgia/Iran (Islamic Republic of)		-
Georgia/Iraq	852	
Georgia/Ireland	269	
Georgia/Israel	32,756	
Georgia/Italy	10,853	
Georgia/Japan	47	
Georgia/Jordan		16*
Georgia/Kazakhstan	21,358	
Georgia/Kuwait		5,433
Georgia/Kyrgyzstan		66
Georgia/Latvia	9,186	
Georgia/Lebanon		-
Georgia/Lithuania	4,086	
Georgia/Malta	139	
Georgia/Mongolia		47
Georgia/Montenegro	10	
Georgia/Netherlands	3,478	
Georgia/Oman	-	
Georgia/Pakistan		420
Georgia/Philippines	101	
Georgia/Poland	37,841	
Georgia/Portugal	20	
Georgia/Qatar	11*	
Georgia/Republic of Moldova	8*	
Georgia/Romania	207	
Georgia/Russian Federation		4,856
Georgia/Saudi Arabia	15,659	
Georgia/Serbia	71	
Georgia/Slovakia	135	
Georgia/South Sudan	-	
Georgia/Spain	6,641	
Georgia/Sweden	164	
Georgia/Switzerland	296	
Georgia/Tajikistan		22
Georgia/Thailand	37	
Georgia/Türkiye	65,628	
Georgia/Turkmenistan		852

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Georgia/Uganda	-	
Georgia/United Arab Emirates	47,282	
Georgia/United Kingdom	307	
Georgia/Uzbekistan		4,082
Germany/Albania	41,284	
Germany/Algeria		12,112
Germany/Angola		22,258
Germany/Antigua and Barbuda		-
Germany/Argentina		149,627
Germany/Armenia	17,836	
Germany/Australia	-	
Germany/Austria	209,163	
Germany/Azerbaijan	69,952	
Germany/Bahamas	293	
Germany/Bahrain		70,378
Germany/Bangladesh		472
Germany/Barbados	16,596	
Germany/Belgium	86,593	
Germany/Benin	113	
Germany/Bosnia and Herzegovina	25,094	
Germany/Brazil		353,432
Germany/Bulgaria	109,955	
Germany/Cabo Verde		48,998
Germany/Cambodia	103	
Germany/Canada	775,515	
Germany/Chad		-
Germany/China		2,042,305
Germany/Colombia		77,096
Germany/Costa Rica	39,267	
Germany/Côte d'Ivoire	322	
Germany/Croatia	93,115	
Germany/Cuba	57,536	
Germany/Cyprus	65,877	
Germany/Czechia	32,773	
Germany/Democratic Republic of the Congo	23	
Germany/Denmark	102,892	
Germany/Djibouti		1,177
Germany/Dominican Republic	134,484	
Germany/Egypt		329,588
Germany/Estonia	25,624	
Germany/Ethiopia		45,931
Germany/Finland	107,373	
Germany/France	435,040	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany/Gabon	-	
Germany/Gambia	1,138	
Germany/Georgia	28,812	
Germany/Ghana	667	
Germany/Greece	564,117	
Germany/Grenada	4,113	
Germany/Guatemala	389*	
Germany/Guinea-Bissau		31
Germany/Hungary	65,428	
Germany/Iceland	57,494	
Germany/India		595,184
Germany/Iran (Islamic Republic of)		29,906*
Germany/Iraq	22,208	
Germany/Ireland	125,625	
Germany/Israel	140,890	
Germany/Italy	559,261	
Germany/Jamaica	22,734	
Germany/Japan	721,897	
Germany/Jordan		34,026
Germany/Kazakhstan	69,355	
Germany/Kenya	93,798	
Germany/Kuwait		65,254
Germany/Kyrgyzstan		108
Germany/Latvia	31,550	
Germany/Lebanon		42,436
Germany/Lithuania	37,301	
Germany/Luxembourg	16,261	
Germany/Malaysia	2,314	
Germany/Maldives	32,920	
Germany/Mali	2,794*	
Germany/Malta	44,721	
Germany/Mauritania		17
Germany/Mauritius		55,873
Germany/Mexico	384,252	
Germany/Mongolia		23,680
Germany/Montenegro	7,855	
Germany/Morocco		82,288
Germany/Namibia	86,295	
Germany/Netherlands	142,376	
Germany/Niger		3,701*
Germany/Nigeria	64,811	
Germany/North Macedonia	39,461	
Germany/Norway	96,371	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany/Oman	60,715	
Germany/Pakistan		858
Germany/Panama		10,263
Germany/Philippines	3,744	
Germany/Poland	181,210	
Germany/Portugal	368,331	
Germany/Qatar	368,923	
Germany/Republic of Korea	736,141	
Germany/Republic of Moldova	10,278	
Germany/Romania	132,948	
Germany/Russian Federation		39
Germany/Rwanda	70	
Germany/Saudi Arabia	73,592	
Germany/Senegal		8,937
Germany/Serbia	57,131	
Germany/Seychelles		5,208*
Germany/Singapore	687,497	
Germany/Slovakia	4,274	
Germany/Slovenia	10,181	
Germany/South Africa		239,242
Germany/Spain	1,786,780	
Germany/Sri Lanka		28,363
Germany/Suriname	183	
Germany/Sweden	143,793	
Germany/Switzerland	136,772	
Germany/Syrian Arab Republic		31
Germany/Tajikistan		3,198
Germany/Thailand	451,923	
Germany/Togo		168
Germany/Trinidad and Tobago	1,205	
Germany/Tunisia		61,936
Germany/Türkiye	1,497,653	
Germany/Turkmenistan		9,338
Germany/Uganda	556*	
Germany/United Arab Emirates	865,790	
Germany/United Kingdom	596,154	
Germany/United Republic of Tanzania	176	
Germany/United States	5,634,529	
Germany/Uruguay	947	
Germany/Uzbekistan		28,272
Germany/Venezuela (Bolivarian Republic of)		49
Germany/Viet Nam		117,319
Germany/Zambia	98	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Germany/Zimbabwe	43	
Ghana/Algeria		203
Ghana/Angola		394
Ghana/Argentina		289*
Ghana/Barbados	-	
Ghana/Belgium	46,049	
Ghana/Benin	62	
Ghana/Botswana	116	
Ghana/Brazil		52,229
Ghana/Burkina Faso	1,842	
Ghana/Cameroon	240	
Ghana/Central African Republic		704*
Ghana/Chad		23
Ghana/China		1,243
Ghana/Comoros		72
Ghana/Congo		292
Ghana/Côte d'Ivoire	14,802	
Ghana/Czechia	307	
Ghana/Democratic Republic of the Congo	347	
Ghana/Djibouti		42
Ghana/Egypt		10,297
Ghana/Equatorial Guinea	128	
Ghana/Ethiopia		46,475
Ghana/France	18,045	
Ghana/Gabon	882	
Ghana/Gambia	21*	
Ghana/Germany	804	
Ghana/Guinea		8*
Ghana/Guinea-Bissau		10*
Ghana/Italy	16	
Ghana/Kenya	21,986	
Ghana/Lebanon		430*
Ghana/Liberia		9,191
Ghana/Luxembourg	139	
Ghana/Madagascar	46	
Ghana/Malawi		26
Ghana/Mali	417	
Ghana/Malta	24	
Ghana/Mauritania		19
Ghana/Morocco		8,868
Ghana/Nepal		51
Ghana/Netherlands	57,438	
Ghana/Niger		115

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ghana/Nigeria	12,588	
Ghana/Paraguay		-
Ghana/Portugal	7,956	
Ghana/Qatar	45*	
Ghana/Rwanda	37*	
Ghana/Sao Tome and Principe		1,879
Ghana/Saudi Arabia	-	
Ghana/Senegal		53*
Ghana/Seychelles		38
Ghana/Sierra Leone		9,901
Ghana/Somalia		97
Ghana/South Africa		18,889
Ghana/South Sudan	501	
Ghana/Spain	165	
Ghana/Switzerland	22	
Ghana/Thailand	342	
Ghana/Togo		5,853
Ghana/Trinidad and Tobago	37	
Ghana/Türkiye	25,752	
Ghana/Uganda	278	
Ghana/United Arab Emirates	79,331	
Ghana/United Kingdom	52,755	
Ghana/United Republic of Tanzania	37	
Ghana/United States	98,225	
Ghana/Zambia	43	
Ghana/Zimbabwe	18	
Greece/Albania	7,814	
Greece/Algeria		-
Greece/Armenia	7,144	
Greece/Austria	90,274	
Greece/Azerbaijan	729	
Greece/Bahrain		7,402
Greece/Belgium	100,190	
Greece/Bosnia and Herzegovina	136	
Greece/Bulgaria	7,366	
Greece/Cabo Verde		35
Greece/Cameroon	25	
Greece/Canada	120,392	
Greece/China		19,629
Greece/Croatia	6,674	
Greece/Cyprus	73,862	
Greece/Czechia	65,360	
Greece/Denmark	89,615	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Greece/Djibouti		1,305
Greece/Dominican Republic	54	
Greece/Egypt		17,704
Greece/Estonia	5,632	
Greece/Ethiopia		6,103
Greece/Finland	58,349	
Greece/France	275,387	
Greece/Gabon	21	
Greece/Georgia	9,705	
Greece/Germany	612,214	
Greece/Ghana	75	
Greece/Hungary	19,992	
Greece/Iceland	4,282	
Greece/India		642
Greece/Indonesia	40	
Greece/Iraq	16	
Greece/Ireland	36,096	
Greece/Israel	86,632	
Greece/Italy	223,919	
Greece/Japan	429	
Greece/Jordan		4,908
Greece/Kazakhstan	2,512	
Greece/Kenya	144	
Greece/Kuwait		2,561
Greece/Latvia	9,029	
Greece/Lebanon		7,755
Greece/Lithuania	9,923	
Greece/Luxembourg	10,326	
Greece/Malawi		43
Greece/Malaysia	52	
Greece/Maldives	140	
Greece/Malta	7,392	
Greece/Mauritius		87
Greece/Mexico	1,079	
Greece/Montenegro	754	
Greece/Morocco		2,923
Greece/Mozambique		91
Greece/Netherlands	182,791	
Greece/Nigeria	64	
Greece/North Macedonia	2,484	
Greece/Norway	71,339	
Greece/Oman	874	
Greece/Poland	131,349	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Greece/Portugal	17,196	
Greece/Qatar	42,340	
Greece/Republic of Korea	1,525	
Greece/Republic of Moldova	240*	
Greece/Romania	37,539	
Greece/Rwanda	91	
Greece/Saudi Arabia	13,059	
Greece/Senegal		42
Greece/Serbia	17,430	
Greece/Singapore	27,963	
Greece/Slovakia	12,947	
Greece/Slovenia	3,596	
Greece/South Africa		97
Greece/Spain	79,254	
Greece/Sweden	86,453	
Greece/Switzerland	106,001	
Greece/Tunisia		1,153
Greece/Türkiye	39,669	
Greece/Turkmenistan		1,286
Greece/United Arab Emirates	70,186	
Greece/United Kingdom	880,655	
Greece/United Republic of Tanzania	210	
Greece/United States	394,118	
Greece/Uzbekistan		144
Greece/Venezuela (Bolivarian Republic of)		108
Greece/Zimbabwe	37	
Grenada/Antigua and Barbuda		77
Grenada/Barbados	2,170	
Grenada/Canada	4,343*	
Grenada/Cuba	36	
Grenada/Czechia	44	
Grenada/Dominica		-
Grenada/Dominican Republic	24	
Grenada/Ecuador		12*
Grenada/El Salvador	11	
Grenada/France	-	
Grenada/Guyana	12	
Grenada/Italy	86	
Grenada/Malta	-	
Grenada/Netherlands	24	
Grenada/Saint Kitts and Nevis	6	
Grenada/Saint Lucia		2,218*
Grenada/Saint Vincent and the Grenadines	465	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Grenada/Suriname	21	
Grenada/Switzerland	-	
Grenada/Trinidad and Tobago	802	
Grenada/United Kingdom	97	
Grenada/United States	30,940	
Grenada/Venezuela (Bolivarian Republic of)		7*
Guatemala/Argentina		30
Guatemala/Bahamas	8	
Guatemala/Belize	10	
Guatemala/Canada	3,590	
Guatemala/Colombia		10,519
Guatemala/Costa Rica	24,607	
Guatemala/Dominican Republic	4,413	
Guatemala/Ecuador		2,248
Guatemala/El Salvador	9,121	
Guatemala/France	-	
Guatemala/Honduras	5,159	
Guatemala/Ireland	44	
Guatemala/Jamaica	21	
Guatemala/Mexico	35,541	
Guatemala/Nicaragua		703
Guatemala/Panama		30,145
Guatemala/Senegal		138
Guatemala/United Kingdom	4*	
Guatemala/United States	203,031	
Guinea/Algeria		-
Guinea/Belgium		321
Guinea/Brazil		-
Guinea/Burkina Faso		4,533
Guinea/Comoros		-
Guinea/Côte d'Ivoire		7,930
Guinea/Ethiopia		436
Guinea/France		34,810
Guinea/Gambia		753
Guinea/Ghana		11
Guinea/Guinea-Bissau		-
Guinea/Kenya		-
Guinea/Liberia		6*
Guinea/Mali		6,163
Guinea/Mauritania		2,829
Guinea/Morocco		10,494
Guinea/Niger		40*
Guinea/Oman		46

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Guinea/Portugal		489
Guinea/Rwanda		41
Guinea/Saudi Arabia		8,002
Guinea/Senegal		14,387
Guinea/Sierra Leone		40
Guinea/Spain		5
Guinea/Sri Lanka		57
Guinea/Togo		184
Guinea/Tunisia		3,643
Guinea/United Arab Emirates		86
Guinea/United States		38
Guinea-Bissau/Angola		16
Guinea-Bissau/Barbados		27
Guinea-Bissau/Benin		11
Guinea-Bissau/Burkina Faso		16
Guinea-Bissau/Cabo Verde		-
Guinea-Bissau/Congo		23*
Guinea-Bissau/Côte d'Ivoire		-
Guinea-Bissau/Ethiopia		49
Guinea-Bissau/France		21
Guinea-Bissau/Gambia		11
Guinea-Bissau/Ghana		-
Guinea-Bissau/Guinea		-
Guinea-Bissau/Liberia		6
Guinea-Bissau/Morocco		-
Guinea-Bissau/Nigeria		86
Guinea-Bissau/Portugal		7,933
Guinea-Bissau/Senegal		1,417
Guinea-Bissau/Sierra Leone		5
Guinea-Bissau/Spain		32
Guinea-Bissau/Sudan		-
Guinea-Bissau/Switzerland		21
Guinea-Bissau/Togo		52*
Guinea-Bissau/Türkiye		27
Guyana/Antigua and Barbuda		7
Guyana/Argentina		50
Guyana/Barbados	3,792	
Guyana/Brazil		507
Guyana/Canada	-	
Guyana/Cuba	1,059	
Guyana/Dominican Republic	348	
Guyana/Ecuador		2,129
Guyana/El Salvador	-	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Guyana/France	38	
Guyana/Grenada	436	
Guyana/Jamaica	26	
Guyana/Malta	38	
Guyana/Mexico	113	
Guyana/Netherlands	95	
Guyana/Nigeria	106	
Guyana/Panama		4,468
Guyana/Peru		39
Guyana/Saint Kitts and Nevis	12	
Guyana/Saint Lucia		2,585
Guyana/Suriname	2,144	
Guyana/Switzerland	44	
Guyana/Trinidad and Tobago	7,763	
Guyana/United Kingdom	53*	
Guyana/United States	63,736	
Haiti/Bahamas		870
Haiti/Canada		3,331
Haiti/Chile		224
Haiti/Cuba		1,983
Haiti/Dominica		9
Haiti/Dominican Republic		2,855
Haiti/France		413
Haiti/Grenada		23
Haiti/Jamaica		1,606
Haiti/Netherlands		116
Haiti/Nicaragua		5,348
Haiti/Panama		702
Haiti/Saint Kitts and Nevis		13
Haiti/Suriname		66
Haiti/Trinidad and Tobago		45
Haiti/Türkiye		215
Haiti/United Kingdom		592
Haiti/United States		31,257
Haiti/Venezuela (Bolivarian Republic of)		32
Honduras/Bahamas	6	
Honduras/Canada	2,192	
Honduras/Colombia		606
Honduras/Costa Rica	406	
Honduras/Cuba	9	
Honduras/Dominican Republic	13	
Honduras/Ecuador		882
Honduras/El Salvador	5,110	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Honduras/Guatemala	2,648	
Honduras/Mexico	7,024	
Honduras/Netherlands	7	
Honduras/Panama		12,829
Honduras/Peru		1,493
Honduras/Poland	151	
Honduras/Portugal	140	
Honduras/Spain	34,461	
Honduras/United Kingdom	557	
Honduras/United States	133,511	
Hungary/Albania	1,035	
Hungary/Algeria		43*
Hungary/Armenia	66	
Hungary/Austria	5,176	
Hungary/Azerbaijan	4,345	
Hungary/Bahrain		60
Hungary/Bangladesh		39
Hungary/Belgium	20,917	
Hungary/Bosnia and Herzegovina	37	
Hungary/Bulgaria	3,141	
Hungary/Cabo Verde		43
Hungary/China		123,301
Hungary/Croatia	533	
Hungary/Cuba	-	
Hungary/Cyprus	13,097	
Hungary/Czechia	7,960	
Hungary/Denmark	10,912	
Hungary/Egypt		14,066
Hungary/Estonia	47	
Hungary/Finland	8,982	
Hungary/France	40,244	
Hungary/Georgia	2,878	
Hungary/Germany	67,403	
Hungary/Greece	18,910	
Hungary/Iceland	5,039	
Hungary/India		38
Hungary/Indonesia	-	
Hungary/Iraq	200	
Hungary/Ireland	16,340	
Hungary/Israel	38,106	
Hungary/Italy	51,691	
Hungary/Jordan		5,469
Hungary/Kazakhstan	7,512	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Hungary/Kenya	-	
Hungary/Kuwait		32
Hungary/Kyrgyzstan		-
Hungary/Latvia	1,249	
Hungary/Lebanon		18
Hungary/Lithuania	263	
Hungary/Luxembourg	6,816	
Hungary/Malta	5,439	
Hungary/Montenegro	853	
Hungary/Netherlands	30,695	
Hungary/North Macedonia	1,107	
Hungary/Norway	7,803	
Hungary/Poland	13,228	
Hungary/Portugal	19,815	
Hungary/Qatar	983*	
Hungary/Republic of Korea	55,917	
Hungary/Republic of Moldova	8	
Hungary/Romania	6,953	
Hungary/Saudi Arabia	9,768	
Hungary/Serbia	1,461	
Hungary/Singapore	372	
Hungary/Slovakia	75	
Hungary/Slovenia	57	
Hungary/South Africa		-
Hungary/Spain	70,446	
Hungary/Sudan		39
Hungary/Sweden	11,428	
Hungary/Switzerland	12,800	
Hungary/Tunisia		324
Hungary/Türkiye	41,103	
Hungary/Turkmenistan		-
Hungary/Ukraine	16	
Hungary/United Arab Emirates	64,709	
Hungary/United Kingdom	114,840	
Hungary/United States	1,456	
Hungary/Uzbekistan		119
Hungary/Viet Nam		37
Iceland/Austria	7,963	
Iceland/Azerbaijan	-	
Iceland/Bahamas	50	
Iceland/Belgium	21,090	
Iceland/Bosnia and Herzegovina	74	
Iceland/Bulgaria	33	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iceland/Cabo Verde		66
Iceland/Canada	46,834	
Iceland/Colombia		121
Iceland/Croatia	640	
Iceland/Cyprus	38	
Iceland/Czechia	4,352	
Iceland/Denmark	52,300	
Iceland/Egypt		161
Iceland/Estonia	33	
Iceland/Finland	14,397	
Iceland/France	35,375	
Iceland/Germany	51,584	
Iceland/Greece	3,887	
Iceland/Guyana	61	
Iceland/Hungary	4,359	
Iceland/India		150
Iceland/Iraq	-	
Iceland/Ireland	11,621	
Iceland/Israel	2,378	
Iceland/Italy	25,985	
Iceland/Jordan		67
Iceland/Kuwait		-
Iceland/Latvia	3,375	
Iceland/Lithuania	3,274	
Iceland/Luxembourg	58	
Iceland/Malta	257	
Iceland/Mexico	1,553	
Iceland/Montenegro	31	
Iceland/Morocco		122
Iceland/Netherlands	23,178	
Iceland/Nicaragua		321
Iceland/North Macedonia	46	
Iceland/Norway	17,983	
Iceland/Poland	22,906	
Iceland/Portugal	4,583	
Iceland/Qatar	-	
Iceland/Republic of Korea	386	
Iceland/Romania	291	
Iceland/Serbia	38	
Iceland/Slovakia	85	
Iceland/Slovenia	269	
Iceland/Spain	53,188	
Iceland/Sweden	14,078	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iceland/Switzerland	14,633	
Iceland/Tunisia		121
Iceland/Türkiye	374	
Iceland/United Arab Emirates	535	
Iceland/United Kingdom	85,967	
Iceland/United States	397,075	
Iceland/Uzbekistan		56
Iceland/Venezuela (Bolivarian Republic of)		146
India/Afghanistan		1,291
India/Armenia		644
India/Australia		223,187
India/Austria		43,797
India/Azerbaijan		18,285
India/Bahrain		226,451
India/Bangladesh		58,515
India/Belarus		-
India/Belgium		415
India/Bhutan		8,040
India/Botswana		39
India/Bulgaria		348
India/Burundi		98
India/Cambodia		699
India/Canada		192,353*
India/China		495,712
India/Comoros		-
India/Cyprus		338
India/Czechia		160
India/Democratic Republic of the Congo		-
India/Denmark		32*
India/Djibouti		79*
India/Egypt		16,579
India/Eritrea		127
India/Ethiopia		164,255
India/Fiji		340
India/Finland		75,919
India/France		383,539
India/Georgia		4,856
India/Germany		893,317
India/Greece		411
India/Hungary		206
India/Indonesia		23,881
India/Iran (Islamic Republic of)		81*
India/Iraq		8,507

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
India/Ireland		456
India/Israel		18,043
India/Italy		82,783
India/Japan		147,999
India/Jordan		140
India/Kazakhstan		13,736
India/Kenya		60,868
India/Kuwait		245,586
India/Kyrgyzstan		-
India/Lao People's Democratic Republic		10*
India/Lebanon		1,387
India/Libya		-
India/Luxembourg		20,807
India/Madagascar		87
India/Malaysia		331,547
India/Maldives		34,813
India/Mauritius		49,017
India/Mongolia		171
India/Mozambique		41
India/Myanmar		8,096
India/Nepal		52,895
India/Netherlands		236,446
India/Nigeria		10,972
India/Norway		85
India/Oman		251,793
India/Pakistan		30*
India/Philippines		1,382
India/Poland		47,843
India/Qatar		548,485
India/Republic of Korea		58,254
India/Russian Federation		49,988
India/Rwanda		-
India/Saudi Arabia		685,690
India/Seychelles		1,984
India/Singapore		732,996
India/South Africa		83*
India/South Sudan		-
India/Spain		12,647*
India/Sri Lanka		88,290
India/Sudan		-
India/Sweden		392
India/Switzerland		120,189
India/Tajikistan		1,038*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
India/Thailand		388,484
India/Türkiye		292,258
India/Turkmenistan		1,934
India/Uganda		3,789
India/United Arab Emirates		2,125,589
India/United Kingdom		1,180,804
India/United Republic of Tanzania		16,418
India/United States		275,128*
India/Uzbekistan		9,892
India/Viet Nam		121,493
India/Yemen		2,888
India/Zambia		30
Indonesia/Australia	532,944	
Indonesia/Azerbaijan	-	
Indonesia/Bangladesh		80
Indonesia/Brunei Darussalam		6,844
Indonesia/Cambodia	2,987	
Indonesia/China		516,737
Indonesia/Egypt		58*
Indonesia/Fiji		-
Indonesia/India		16,436
Indonesia/Italy	63	
Indonesia/Japan	225,290	
Indonesia/Kazakhstan	47	
Indonesia/Kenya	461	
Indonesia/Kyrgyzstan		-
Indonesia/Lao People's Democratic Republic		135
Indonesia/Malaysia	422,641	
Indonesia/Maldives	382	
Indonesia/Myanmar		102
Indonesia/Netherlands	34,755	
Indonesia/New Zealand	13,215	
Indonesia/Oman	41,569	
Indonesia/Papua New Guinea	1,687	
Indonesia/Philippines	51,100	
Indonesia/Qatar	41*	
Indonesia/Republic of Korea	197,476	
Indonesia/Saudi Arabia	995,150	
Indonesia/Seychelles		61
Indonesia/Singapore	479,814	
Indonesia/South Africa		220*
Indonesia/Sri Lanka		16,277
Indonesia/Thailand	181,668	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Indonesia/Timor-Leste	4,852	
Indonesia/Türkiye	173,270	
Indonesia/United Arab Emirates	403,089	
Indonesia/United States	860	
Indonesia/Uzbekistan		4,348
Indonesia/Viet Nam		77,219
Iran (Islamic Republic of)/Afghanistan		407*
Iran (Islamic Republic of)/Armenia		6,021
Iran (Islamic Republic of)/Austria		10,568
Iran (Islamic Republic of)/Azerbaijan		-
Iran (Islamic Republic of)/Bahrain		10
Iran (Islamic Republic of)/Belarus		-
Iran (Islamic Republic of)/Bulgaria		-
Iran (Islamic Republic of)/China		101,387
Iran (Islamic Republic of)/France		-
Iran (Islamic Republic of)/Georgia		-
Iran (Islamic Republic of)/Germany		33,177*
Iran (Islamic Republic of)/India		-
Iran (Islamic Republic of)/Iraq		13,713*
Iran (Islamic Republic of)/Italy		-
Iran (Islamic Republic of)/Jordan		-
Iran (Islamic Republic of)/Kazakhstan		-
Iran (Islamic Republic of)/Kuwait		9,540*
Iran (Islamic Republic of)/Kyrgyzstan		-
Iran (Islamic Republic of)/Lebanon		-
Iran (Islamic Republic of)/Mongolia		-
Iran (Islamic Republic of)/Oman		19,575
Iran (Islamic Republic of)/Pakistan		-
Iran (Islamic Republic of)/Philippines		-
Iran (Islamic Republic of)/Qatar		-
Iran (Islamic Republic of)/Russian Federation		5,106*
Iran (Islamic Republic of)/Saudi Arabia		37,580
Iran (Islamic Republic of)/Serbia		-
Iran (Islamic Republic of)/Syrian Arab Republic		7,521
Iran (Islamic Republic of)/Tajikistan		526*
Iran (Islamic Republic of)/Thailand		-
Iran (Islamic Republic of)/Türkiye		422,345
Iran (Islamic Republic of)/Turkmenistan		66*
Iran (Islamic Republic of)/United Arab Emirates		-
Iran (Islamic Republic of)/United Kingdom		-
Iran (Islamic Republic of)/Uzbekistan		77*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iran (Islamic Republic of)/Venezuela (Bolivarian Republic of)		3,929
Iran (Islamic Republic of)/Viet Nam		-
Iraq/Algeria		4*
Iraq/Angola		34
Iraq/Armenia	129	
Iraq/Austria	7,340	
Iraq/Azerbaijan	10,991	
Iraq/Bahrain		3,582
Iraq/Belgium	-	
Iraq/Bulgaria	2,458	
Iraq/China		227
Iraq/Cyprus	408	
Iraq/Denmark	-	
Iraq/Egypt		17,707
Iraq/France	220	
Iraq/Georgia	912	
Iraq/Germany	24,314	
Iraq/Greece	29	
Iraq/Hungary	54	
Iraq/India		8,702
Iraq/Iran (Islamic Republic of)		15,192*
Iraq/Italy	314	
Iraq/Japan	-	
Iraq/Jordan		32,140
Iraq/Kenya	152	
Iraq/Kuwait		6,484
Iraq/Lebanon		39,300
Iraq/Lithuania	31*	
Iraq/Netherlands	-	
Iraq/Norway	-	
Iraq/Oman	1,698	
Iraq/Pakistan		8,337
Iraq/Poland	401	
Iraq/Portugal	138	
Iraq/Qatar	34,755	
Iraq/Republic of Moldova	11	
Iraq/Romania	37	
Iraq/Russian Federation		1,628
Iraq/Saudi Arabia	36,988	
Iraq/Slovakia	31	
Iraq/Spain	-	
Iraq/Switzerland	201	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Iraq/Syrian Arab Republic		14,984
Iraq/Tunisia		528
Iraq/Türkiye	131,890	
Iraq/United Arab Emirates	94,822	
Iraq/United Kingdom	97	
Iraq/United States	3,479*	
Iraq/Uzbekistan		24
Iraq/Viet Nam		-
Ireland/Albania	20*	
Ireland/Algeria		10
Ireland/Austria	13,516	
Ireland/Azerbaijan	-	
Ireland/Bahamas	140	
Ireland/Bahrain		157
Ireland/Barbados	130	
Ireland/Belgium	20,479	
Ireland/Bosnia and Herzegovina	11*	
Ireland/Brazil		95
Ireland/Bulgaria	11,897	
Ireland/Cameroon	316	
Ireland/Canada	140,579	
Ireland/China		5,135
Ireland/Croatia	19,201	
Ireland/Cyprus	3,598	
Ireland/Czechia	9,845	
Ireland/Denmark	14,180	
Ireland/Egypt		4,757
Ireland/Estonia	844	
Ireland/Ethiopia		568
Ireland/Finland	10,195	
Ireland/France	114,708	
Ireland/Georgia	295	
Ireland/Germany	118,126	
Ireland/Greece	32,983	
Ireland/Hungary	14,607	
Ireland/Iceland	11,982	
Ireland/India		322
Ireland/Israel	3,946	
Ireland/Italy	119,127	
Ireland/Jamaica	147	
Ireland/Jordan		221
Ireland/Kazakhstan	146	
Ireland/Kuwait		857

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Ireland/Latvia	6,427	
Ireland/Lebanon		474
Ireland/Lithuania	11,472	
Ireland/Luxembourg	4,259	
Ireland/Malta	7,378	
Ireland/Mexico	1,479	
Ireland/Mongolia		54
Ireland/Montenegro	19	
Ireland/Morocco		5,971
Ireland/Netherlands	54,840	
Ireland/Nigeria	225	
Ireland/North Macedonia	226	
Ireland/Norway	5,917	
Ireland/Oman	486	
Ireland/Poland	53,405	
Ireland/Portugal	99,181	
Ireland/Qatar	69,581	
Ireland/Republic of Moldova	4,710*	
Ireland/Romania	24,041	
Ireland/Rwanda	-	
Ireland/Saint Vincent and the Grenadines	82	
Ireland/Saudi Arabia	519	
Ireland/Senegal		102
Ireland/Serbia	45	
Ireland/Slovakia	4,665	
Ireland/Slovenia	3	
Ireland/Spain	355,552	
Ireland/Sudan		-
Ireland/Sweden	10,982	
Ireland/Switzerland	25,918	
Ireland/Tunisia		29
Ireland/Türkiye	45,091	
Ireland/Turkmenistan		146
Ireland/United Arab Emirates	164,158	
Ireland/United Kingdom	342,589	
Ireland/United Republic of Tanzania	47	
Ireland/United States	1,150,125	
Israel/Albania	764*	
Israel/Armenia	1,329	
Israel/Austria	53,563	
Israel/Azerbaijan	20,241	
Israel/Bahrain		3,484
Israel/Belarus		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Israel/Belgium	96,908	
Israel/Bulgaria	26,789	
Israel/Canada	78,199	
Israel/China		97,396
Israel/Croatia	3,156	
Israel/Cyprus	25,055	
Israel/Czechia	26,253	
Israel/Democratic Republic of the Congo	179	
Israel/Denmark	3,376	
Israel/Egypt		10,197
Israel/Eritrea		44
Israel/Estonia	63*	
Israel/Ethiopia		19,754
Israel/Finland	6,752	
Israel/France	164,776	
Israel/Georgia	31,662	
Israel/Germany	143,677	
Israel/Greece	95,402	
Israel/Hungary	42,162	
Israel/Iceland	3,089	
Israel/India		14,262
Israel/Indonesia	343	
Israel/Ireland	4,784	
Israel/Italy	133,370	
Israel/Japan	11,999	
Israel/Jordan		3,218
Israel/Kazakhstan	799	
Israel/Kenya	360	
Israel/Kyrgyzstan		67
Israel/Latvia	2,904	
Israel/Lithuania	6,144	
Israel/Malawi		112
Israel/Malta	3,159	
Israel/Montenegro	7,522	
Israel/Morocco		23,395
Israel/Netherlands	60,416	
Israel/Nigeria	-	
Israel/North Macedonia	53	
Israel/Norway	2,020	
Israel/Philippines	49	
Israel/Poland	44,759	
Israel/Portugal	30,426	
Israel/Qatar	89	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Israel/Republic of Korea	20,622	
Israel/Republic of Moldova	10,378	
Israel/Romania	37,945	
Israel/Russian Federation		30,036
Israel/Rwanda	296	
Israel/Saint Kitts and Nevis	53	
Israel/Saudi Arabia	-	
Israel/Serbia	4,119	
Israel/Seychelles		4,508
Israel/Slovakia	850	
Israel/Slovenia	2,401	
Israel/South Africa		15,324
Israel/Spain	110,374	
Israel/Sri Lanka		211
Israel/Sweden	3,107	
Israel/Switzerland	40,310	
Israel/Tajikistan		23
Israel/Thailand	92,008	
Israel/Türkiye	130,924	
Israel/Uganda	39	
Israel/United Arab Emirates	112,298	
Israel/United Kingdom	186,023	
Israel/United Republic of Tanzania	3,056	
Israel/United States	880,062	
Israel/Uzbekistan		6,623
Israel/Zambia	35	
Israel/Zimbabwe	165	
Italy/Albania	87,466	
Italy/Algeria		10,657
Italy/Angola		24
Italy/Antigua and Barbuda		634
Italy/Argentina		145,713
Italy/Armenia	16,541	
Italy/Australia	-	
Italy/Austria	92,292	
Italy/Azerbaijan	31,485	
Italy/Bahamas	2,513	
Italy/Bahrain		41,130
Italy/Barbados	34	
Italy/Belgium	170,138	
Italy/Bosnia and Herzegovina	266	
Italy/Botswana	46	
Italy/Brazil		216,229

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy/Bulgaria	34,084	
Italy/Cabo Verde		9,196
Italy/Canada	268,235	
Italy/Chad		287
Italy/China		570,373
Italy/Congo		265
Italy/Croatia	19,172	
Italy/Cuba	21,412	
Italy/Cyprus	17,626	
Italy/Czechia	51,420	
Italy/Democratic Republic of the Congo	128	
Italy/Denmark	87,986	
Italy/Djibouti		93
Italy/Dominican Republic	31,800	
Italy/Egypt		181,412
Italy/Estonia	10,089	
Italy/Ethiopia		72,185
Italy/Finland	64,650	
Italy/France	614,904	
Italy/Gambia	60	
Italy/Georgia	9,576	
Italy/Germany	596,087	
Italy/Greece	208,600	
Italy/Grenada	41	
Italy/Hungary	49,608	
Italy/Iceland	29,215	
Italy/India		61,397
Italy/Indonesia	56	
Italy/Iran (Islamic Republic of)		-
Italy/Iraq	315	
Italy/Ireland	130,956	
Italy/Israel	117,429	
Italy/Japan	90,489	
Italy/Jordan		36,565
Italy/Kazakhstan	7,702	
Italy/Kenya	7,857	
Italy/Kuwait		16,068
Italy/Latvia	16,177	
Italy/Lebanon		8,186
Italy/Libya		20
Italy/Lithuania	21,721	
Italy/Luxembourg	34,552	
Italy/Madagascar	12,311	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy/Malaysia	413	
Italy/Maldives	26,454	
Italy/Malta	60,454	
Italy/Mauritania		17
Italy/Mauritius		3,409
Italy/Mexico	55,063	
Italy/Mongolia		159
Italy/Montenegro	2,260	
Italy/Morocco		127,080
Italy/Namibia	37	
Italy/Netherlands	229,070	
Italy/Niger		2,170
Italy/Nigeria	458	
Italy/North Macedonia	6,080	
Italy/Norway	40,785	
Italy/Oman	35,065	
Italy/Poland	168,632	
Italy/Portugal	208,022	
Italy/Qatar	211,602	
Italy/Republic of Korea	327,565	
Italy/Republic of Moldova	14,972	
Italy/Romania	162,877	
Italy/Russian Federation		63
Italy/Rwanda	420	
Italy/Saint Vincent and the Grenadines	451	
Italy/Saudi Arabia	60,461	
Italy/Senegal		17,148
Italy/Serbia	20,360	
Italy/Singapore	121,177	
Italy/Slovakia	8,091	
Italy/Slovenia	1,054	
Italy/South Africa		618
Italy/Spain	873,263	
Italy/Sri Lanka		42*
Italy/Sweden	57,172	
Italy/Switzerland	112,301	
Italy/Thailand	90	
Italy/Togo		139
Italy/Tunisia		20,197
Italy/Türkiye	185,853	
Italy/Turkmenistan		23,670
Italy/Uganda	648	
Italy/United Arab Emirates	509,597	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Italy/United Kingdom	825,149	
Italy/United Republic of Tanzania	21,628	
Italy/United States	2,038,559	
Italy/Uruguay	792	
Italy/Uzbekistan		4,048
Italy/Venezuela (Bolivarian Republic of)		-
Italy/Viet Nam		396
Italy/Zambia	48	
Jamaica/Antigua and Barbuda		14*
Jamaica/Argentina		39
Jamaica/Bahamas	4,579	
Jamaica/Barbados	261	
Jamaica/Belgium	6,662	
Jamaica/Canada	89,839	
Jamaica/Chile		23
Jamaica/Colombia		521
Jamaica/Costa Rica	17	
Jamaica/Cuba	282	
Jamaica/Dominica		9
Jamaica/Dominican Republic	1,675	
Jamaica/Ecuador		24
Jamaica/France	76	
Jamaica/Germany	26,491	
Jamaica/Guyana	6*	
Jamaica/Haiti		1,400
Jamaica/Honduras	54	
Jamaica/Italy	10,069	
Jamaica/Mexico	2,120	
Jamaica/Netherlands	1,804	
Jamaica/Nicaragua		67
Jamaica/Panama		5,311
Jamaica/Portugal	202	
Jamaica/Saint Kitts and Nevis	3	
Jamaica/Spain	104	
Jamaica/Switzerland	42*	
Jamaica/Trinidad and Tobago	308*	
Jamaica/United Kingdom	104,214	
Jamaica/United States	403,350	
Japan/Australia	424,445	
Japan/Austria	35,867*	
Japan/Azerbaijan	36,232	
Japan/Bangladesh		5,162
Japan/Belgium	-	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Japan/Brunei Darussalam		8,107
Japan/Cambodia	699	
Japan/Canada	387,395	
Japan/China		3,476,073
Japan/Denmark	24,738	
Japan/Djibouti		859
Japan/Egypt		51
Japan/Ethiopia		322
Japan/Fiji		11,421
Japan/Finland	159,186*	
Japan/France	503,378	
Japan/Georgia	212	
Japan/Germany	322,813*	
Japan/Hungary	261	
Japan/Iceland	392	
Japan/India		178,974
Japan/Indonesia	241,021	
Japan/Ireland	363	
Japan/Israel	13,003	
Japan/Italy	68,262*	
Japan/Kazakhstan	7,083	
Japan/Kuwait		59
Japan/Kyrgyzstan		501
Japan/Lithuania	272	
Japan/Malaysia	323,095	
Japan/Maldives	50	
Japan/Mexico	161,036	
Japan/Micronesia (Federated States of)	-	
Japan/Mongolia		9,635
Japan/Nepal		16,698
Japan/Netherlands	54,526*	
Japan/New Zealand	63,731	
Japan/Oman	-	
Japan/Palau	20	
Japan/Papua New Guinea	373	
Japan/Philippines	364,426	
Japan/Poland	53,506	
Japan/Qatar	-	
Japan/Republic of Korea	1,135,556	
Japan/Saudi Arabia	517*	
Japan/Singapore	795,366	
Japan/Spain	321*	
Japan/Sri Lanka		31,557

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Japan/Switzerland	66*	
Japan/Thailand	848,086	
Japan/Türkiye	171,487	
Japan/United Arab Emirates	453,131	
Japan/United Kingdom	464,577	
Japan/United States	5,515,805	
Japan/Uzbekistan		4,806
Japan/Viet Nam		602,130
Jordan/Algeria		-
Jordan/Armenia		58
Jordan/Austria		18,530
Jordan/Azerbaijan		-
Jordan/Bahrain		11,342
Jordan/Bangladesh		-
Jordan/Belgium		4,005
Jordan/Benin		242
Jordan/Bosnia and Herzegovina		-
Jordan/Bulgaria		2,145
Jordan/Canada		-
Jordan/China		16,717
Jordan/Côte d'Ivoire		350
Jordan/Cyprus		4,401
Jordan/Czechia		2,868
Jordan/Democratic Republic of the Congo		80
Jordan/Denmark		20*
Jordan/Egypt		31,508
Jordan/Ethiopia		5,734
Jordan/France		33,570
Jordan/Georgia		8*
Jordan/Germany		36,917
Jordan/Greece		5,068
Jordan/Hungary		5,977
Jordan/Iceland		30
Jordan/India		93*
Jordan/Indonesia		-
Jordan/Iran (Islamic Republic of)		-
Jordan/Iraq		28,027
Jordan/Ireland		357
Jordan/Israel		3,232
Jordan/Italy		38,528
Jordan/Kazakhstan		132
Jordan/Kenya		1,045
Jordan/Kuwait		23,970

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Jordan/Kyrgyzstan		179
Jordan/Lebanon		10,429
Jordan/Libya		2,281*
Jordan/Luxembourg		-
Jordan/Maldives		89
Jordan/Malta		73
Jordan/Mauritius		-
Jordan/Montenegro		52
Jordan/Morocco		1,533
Jordan/Netherlands		13,819
Jordan/Niger		166
Jordan/Nigeria		21*
Jordan/Norway		-
Jordan/Oman		10*
Jordan/Pakistan		229
Jordan/Philippines		-
Jordan/Poland		8,200
Jordan/Portugal		141
Jordan/Qatar		50,965
Jordan/Republic of Korea		50
Jordan/Republic of Moldova		85*
Jordan/Romania		4,904
Jordan/Rwanda		-
Jordan/Saudi Arabia		91,652
Jordan/Serbia		44
Jordan/Seychelles		26
Jordan/Singapore		341
Jordan/Slovakia		588
Jordan/Slovenia		-
Jordan/Spain		24,416
Jordan/Sweden		-
Jordan/Switzerland		7,918
Jordan/Syrian Arab Republic		-
Jordan/Thailand		30,151
Jordan/Tunisia		55*
Jordan/Türkiye		75,629
Jordan/Uganda		1,465
Jordan/United Arab Emirates		135,582
Jordan/United Kingdom		46,895
Jordan/United Republic of Tanzania		-
Jordan/United States		174,973
Jordan/Uzbekistan		-
Jordan/Viet Nam		4,800

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Jordan/Yemen		4,268
Jordan/Zambia		23
Kazakhstan/Albania	146	
Kazakhstan/Algeria		-
Kazakhstan/Armenia	18*	
Kazakhstan/Austria	70,048	
Kazakhstan/Azerbaijan	16,604	
Kazakhstan/Bahrain		173
Kazakhstan/Bangladesh		248*
Kazakhstan/Belarus		-
Kazakhstan/Belgium	247,418	
Kazakhstan/Bulgaria	135	
Kazakhstan/China		242,044
Kazakhstan/Croatia	-	
Kazakhstan/Cyprus	255	
Kazakhstan/Czechia	188	
Kazakhstan/Denmark	310	
Kazakhstan/Egypt		20,434
Kazakhstan/Estonia	-	
Kazakhstan/France	4,428	
Kazakhstan/Georgia	24,567	
Kazakhstan/Germany	132,002	
Kazakhstan/Greece	3,039	
Kazakhstan/Hungary	46,638	
Kazakhstan/India		13,514
Kazakhstan/Indonesia	47	
Kazakhstan/Iran (Islamic Republic of)		-
Kazakhstan/Iraq	-	
Kazakhstan/Ireland	148	
Kazakhstan/Israel	1,271	
Kazakhstan/Italy	13,106	
Kazakhstan/Japan	11,663	
Kazakhstan/Jordan		71
Kazakhstan/Kuwait		7,707
Kazakhstan/Kyrgyzstan		2,415
Kazakhstan/Lao People's Democratic Republic		-
Kazakhstan/Lebanon		33
Kazakhstan/Lithuania	35	
Kazakhstan/Luxembourg	25,171	
Kazakhstan/Malaysia	328	
Kazakhstan/Maldives	6,139	
Kazakhstan/Montenegro	20*	
Kazakhstan/Netherlands	46,410	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kazakhstan/Oman	899	
Kazakhstan/Pakistan		98*
Kazakhstan/Philippines	55	
Kazakhstan/Poland	8,609	
Kazakhstan/Qatar	21,499	
Kazakhstan/Republic of Korea	50,826	
Kazakhstan/Romania	163	
Kazakhstan/Russian Federation		116,820
Kazakhstan/Saudi Arabia	5,828	
Kazakhstan/Serbia	132	
Kazakhstan/Singapore	449	
Kazakhstan/Slovakia	142	
Kazakhstan/Slovenia	138	
Kazakhstan/Spain	20,255	
Kazakhstan/Sri Lanka		-
Kazakhstan/Switzerland	357	
Kazakhstan/Syrian Arab Republic		-
Kazakhstan/Tajikistan		3,275
Kazakhstan/Thailand	54,513	
Kazakhstan/Türkiye	316,338	
Kazakhstan/Turkmenistan		108
Kazakhstan/United Arab Emirates	103,875	
Kazakhstan/United Kingdom	55,393	
Kazakhstan/United States	-	
Kazakhstan/Uzbekistan		17,925
Kazakhstan/Viet Nam		30,191
Kenya/Albania	-	
Kenya/Angola		18*
Kenya/Bahrain		26,240
Kenya/Belgium	126,207	
Kenya/Benin	41	
Kenya/Botswana	17*	
Kenya/Burundi		5*
Kenya/Cameroon	119*	
Kenya/Central African Republic		50*
Kenya/Chad		231
Kenya/China		40,456
Kenya/Comoros		13*
Kenya/Congo		130
Kenya/Côte d'Ivoire	-	
Kenya/Cyprus	50	
Kenya/Czechia	1,389	
Kenya/Democratic Republic of the Congo	14,084	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kenya/Djibouti		63*
Kenya/Egypt		23,286
Kenya/Eritrea		-
Kenya/Ethiopia		45,793
Kenya/France	135,840	
Kenya/Gabon	-	
Kenya/Georgia	202	
Kenya/Germany	92,876*	
Kenya/Ghana	-	
Kenya/Hungary	-	
Kenya/India		60,390
Kenya/Indonesia	52*	
Kenya/Israel	-	
Kenya/Italy	27,284	
Kenya/Jordan		204
Kenya/Luxembourg	624	
Kenya/Madagascar	11*	
Kenya/Malawi		8,546
Kenya/Malaysia	-	
Kenya/Maldives	37	
Kenya/Mali	235*	
Kenya/Malta	76	
Kenya/Mauritius		12,427
Kenya/Morocco		178
Kenya/Mozambique		471
Kenya/Namibia	14*	
Kenya/Netherlands	292,135	
Kenya/Nigeria	18,895	
Kenya/Oman	970	
Kenya/Poland	4,032	
Kenya/Qatar	-	
Kenya/Republic of Korea	294	
Kenya/Romania	312	
Kenya/Rwanda	13,826	
Kenya/Saudi Arabia	33,347	
Kenya/Senegal		515
Kenya/Seychelles		4,659
Kenya/Sierra Leone		57*
Kenya/Singapore	586	
Kenya/Somalia		-
Kenya/South Africa		71,047
Kenya/South Sudan	24*	
Kenya/Spain	87	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kenya/Sudan		12*
Kenya/Sweden	45	
Kenya/Switzerland	36	
Kenya/Syrian Arab Republic		-
Kenya/Thailand	-	
Kenya/Togo		-
Kenya/Türkiye	65,627	
Kenya/Turkmenistan		-
Kenya/Uganda	16,296	
Kenya/United Arab Emirates	163,566	
Kenya/United Kingdom	151,747	
Kenya/United Republic of Tanzania	24,813	
Kenya/United States	-	
Kenya/Zambia	-	
Kenya/Zimbabwe	11,107	
Kiribati/Australia	294	
Kiribati/Fiji		-
Kiribati/Marshall Islands	475*	
Kiribati/Micronesia (Federated States of)	20	
Kiribati/Nauru	730	
Kiribati/Samoa		-
Kiribati/Solomon Islands		65
Kiribati/United States	24*	
Kuwait/Afghanistan		1,831
Kuwait/Albania		1,346
Kuwait/Armenia		45
Kuwait/Austria		3,061
Kuwait/Azerbaijan		9,468
Kuwait/Bahrain		24,179
Kuwait/Bangladesh		113,992
Kuwait/Belgium		177*
Kuwait/Bhutan		45
Kuwait/Bosnia and Herzegovina		4,763*
Kuwait/Bulgaria		3,869
Kuwait/China		57,345
Kuwait/Cyprus		1,277
Kuwait/Czechia		878
Kuwait/Djibouti		690
Kuwait/Egypt		161,760
Kuwait/Ethiopia		8,831
Kuwait/France		45,612
Kuwait/Georgia		5,767
Kuwait/Germany		72,551

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kuwait/Greece		3,256
Kuwait/India		240,253
Kuwait/Iran (Islamic Republic of)		18,678
Kuwait/Iraq		5,945
Kuwait/Ireland		2,029
Kuwait/Italy		18,845
Kuwait/Japan		51
Kuwait/Jordan		25,120
Kuwait/Kazakhstan		7,737
Kuwait/Kenya		349
Kuwait/Kyrgyzstan		14,135
Kuwait/Lebanon		23,231
Kuwait/Luxembourg		-
Kuwait/Malaysia		15,624
Kuwait/Maldives		1,130
Kuwait/Montenegro		1,011
Kuwait/Morocco		19,329
Kuwait/Mozambique		29
Kuwait/Nepal		22,725
Kuwait/Netherlands		35,908
Kuwait/Niger		46
Kuwait/Norway		153
Kuwait/Oman		19,777
Kuwait/Pakistan		26,514
Kuwait/Philippines		80,766
Kuwait/Poland		508
Kuwait/Portugal		25
Kuwait/Qatar		43,374
Kuwait/Republic of Korea		6,136
Kuwait/Romania		394
Kuwait/Russian Federation		8,803
Kuwait/Rwanda		21
Kuwait/Saudi Arabia		134,564
Kuwait/Serbia		591
Kuwait/Seychelles		24
Kuwait/Singapore		216
Kuwait/Somalia		18
Kuwait/Spain		16,868
Kuwait/Sri Lanka		34,089
Kuwait/Sweden		120
Kuwait/Switzerland		10,586
Kuwait/Syrian Arab Republic		5,332
Kuwait/Tajikistan		2,120

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Kuwait/Thailand		50,048
Kuwait/Türkiye		145,502
Kuwait/United Arab Emirates		126,501
Kuwait/United Kingdom		152,640
Kuwait/United States		103,095
Kuwait/Uzbekistan		17,993
Kuwait/Viet Nam		13,712
Kyrgyzstan/Armenia		15
Kyrgyzstan/Azerbaijan		23*
Kyrgyzstan/Belarus		-
Kyrgyzstan/Belgium		24
Kyrgyzstan/Bulgaria		167
Kyrgyzstan/China		44,527
Kyrgyzstan/Cyprus		37
Kyrgyzstan/France		49*
Kyrgyzstan/Georgia		14
Kyrgyzstan/Germany		140
Kyrgyzstan/Hungary		93*
Kyrgyzstan/India		13*
Kyrgyzstan/Indonesia		-
Kyrgyzstan/Iran (Islamic Republic of)		-
Kyrgyzstan/Japan		137
Kyrgyzstan/Jordan		-
Kyrgyzstan/Kazakhstan		2,399
Kyrgyzstan/Kuwait		14,257
Kyrgyzstan/Malaysia		-
Kyrgyzstan/Mongolia		48
Kyrgyzstan/Oman		-
Kyrgyzstan/Pakistan		112
Kyrgyzstan/Qatar		-
Kyrgyzstan/Republic of Korea		1,270*
Kyrgyzstan/Romania		15
Kyrgyzstan/Russian Federation		212,967
Kyrgyzstan/Saudi Arabia		4,157
Kyrgyzstan/Singapore		-
Kyrgyzstan/Switzerland		49
Kyrgyzstan/Tajikistan		30
Kyrgyzstan/Türkiye		150,275
Kyrgyzstan/Turkmenistan		18
Kyrgyzstan/United Arab Emirates		31,701
Kyrgyzstan/Uzbekistan		1,977
Kyrgyzstan/Viet Nam		39
Lao People's Democratic Republic/Cambodia		6,450

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lao People's Democratic Republic/China		18,463
Lao People's Democratic Republic/India		28
Lao People's Democratic Republic/Indonesia		99
Lao People's Democratic Republic/Malaysia		27*
Lao People's Democratic Republic/Mongolia		67
Lao People's Democratic Republic/Myanmar		36
Lao People's Democratic Republic/Oman		50
Lao People's Democratic Republic/Pakistan		-
Lao People's Democratic Republic/Philippines		14
Lao People's Democratic Republic/Republic of Korea		35,889
Lao People's Democratic Republic/Russian Federation		486
Lao People's Democratic Republic/Singapore		3,566*
Lao People's Democratic Republic/Sri Lanka		62
Lao People's Democratic Republic/Thailand		17,314
Lao People's Democratic Republic/United Arab Emirates		32*
Lao People's Democratic Republic/Viet Nam		8,279
Latvia/Albania	351*	
Latvia/Armenia	4,690	
Latvia/Austria	13,719	
Latvia/Azerbaijan	3,666*	
Latvia/Bahrain		41
Latvia/Belgium	9,276	
Latvia/Bosnia and Herzegovina	8	
Latvia/Bulgaria	2,700	
Latvia/Canada	711	
Latvia/Croatia	5,665	
Latvia/Cyprus	3,447	
Latvia/Czechia	1,564	
Latvia/Denmark	17,608	
Latvia/Egypt		14,859
Latvia/Estonia	73	
Latvia/Finland	7,718	
Latvia/France	5,210	
Latvia/Georgia	8,367	
Latvia/Germany	38,417	
Latvia/Greece	23,516	
Latvia/Hungary	1,216	
Latvia/Iceland	1,425	
Latvia/Iraq	-	
Latvia/Ireland	5,655	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Latvia/Israel	921	
Latvia/Italy	21,636	
Latvia/Kuwait		164
Latvia/Lithuania	3,534	
Latvia/Luxembourg	35	
Latvia/Malta	8,284	
Latvia/Montenegro	638	
Latvia/Morocco		4,242
Latvia/Netherlands	3,841	
Latvia/North Macedonia	19	
Latvia/Norway	13,904	
Latvia/Poland	9,479	
Latvia/Portugal	8,559	
Latvia/Republic of Moldova	5*	
Latvia/Romania	2,501	
Latvia/Senegal		228
Latvia/Serbia	647	
Latvia/Slovakia	62	
Latvia/Slovenia	122	
Latvia/Spain	29,805	
Latvia/Sweden	13,275	
Latvia/Switzerland	13,580	
Latvia/Tunisia		66
Latvia/Türkiye	28,279	
Latvia/United Arab Emirates	10,789	
Latvia/United Kingdom	37,400	
Latvia/United States	789	
Latvia/Uzbekistan		5,318
Lebanon/Armenia		1,996
Lebanon/Austria		83
Lebanon/Azerbaijan		21*
Lebanon/Bahrain		438
Lebanon/Bangladesh		304
Lebanon/Belgium		22*
Lebanon/Bosnia and Herzegovina		-
Lebanon/Bulgaria		13
Lebanon/China		3,568
Lebanon/Côte d'Ivoire		72*
Lebanon/Croatia		-
Lebanon/Cyprus		4,067
Lebanon/Denmark		7,523
Lebanon/Djibouti		56
Lebanon/Egypt		19,678

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lebanon/Ethiopia		26,194
Lebanon/France		83,256
Lebanon/Georgia		-
Lebanon/Germany		48,555
Lebanon/Ghana		555*
Lebanon/Greece		9,148
Lebanon/Hungary		-
Lebanon/India		1,076
Lebanon/Iran (Islamic Republic of)		-
Lebanon/Iraq		36,161
Lebanon/Ireland		447
Lebanon/Italy		9,137
Lebanon/Jordan		12,863
Lebanon/Kuwait		21,220
Lebanon/Luxembourg		16
Lebanon/Malaysia		-
Lebanon/Maldives		-
Lebanon/Malta		30
Lebanon/Morocco		40*
Lebanon/Nepal		677
Lebanon/Netherlands		5,395*
Lebanon/Nigeria		12,435
Lebanon/Oman		553
Lebanon/Poland		2,479
Lebanon/Portugal		14
Lebanon/Qatar		66,356
Lebanon/Republic of Moldova		20
Lebanon/Romania		3,003
Lebanon/Saudi Arabia		54,844
Lebanon/Senegal		107
Lebanon/Serbia		128
Lebanon/South Africa		44
Lebanon/Spain		9,178
Lebanon/Sweden		4,109
Lebanon/Switzerland		10,052
Lebanon/Syrian Arab Republic		265
Lebanon/Türkiye		67,476
Lebanon/United Arab Emirates		138,591
Lebanon/United Kingdom		33,027
Lebanon/United Republic of Tanzania		78
Lebanon/United States		117
Lesotho/Botswana		3
Lesotho/South Africa		2,512

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lesotho/Zambia		7
Liberia/Belgium		23,150
Liberia/Cabo Verde		8*
Liberia/Côte d'Ivoire		856
Liberia/Democratic Republic of the Congo		24
Liberia/Equatorial Guinea		-
Liberia/Ethiopia		76
Liberia/Gabon		-
Liberia/Gambia		348
Liberia/Ghana		8,591
Liberia/Guinea		6*
Liberia/Mali		20
Liberia/Morocco		-
Liberia/Niger		9
Liberia/Nigeria		253
Liberia/Rwanda		43
Liberia/Senegal		21
Liberia/Sierra Leone		460
Liberia/Switzerland		23
Liberia/Togo		46
Liberia/Türkiye		213
Liberia/United Kingdom		53
Libya/Algeria		13*
Libya/Austria		107
Libya/Belgium		1,569
Libya/Egypt		12,372
Libya/Ethiopia		82
Libya/France		18
Libya/Germany		337
Libya/Italy		11
Libya/Jordan		2,509*
Libya/Lebanon		70
Libya/Malta		132
Libya/Marshall Islands		952
Libya/Netherlands		83
Libya/Niger		1,281
Libya/Oman		741*
Libya/Poland		15
Libya/Qatar		161*
Libya/Russian Federation		36*
Libya/Saudi Arabia		8,474
Libya/Serbia		70
Libya/South Africa		152

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Libya/Spain		80
Libya/Sudan		24
Libya/Syrian Arab Republic		274
Libya/Tunisia		19,539
Libya/Türkiye		26,540
Libya/United Arab Emirates		5,623
Lithuania/Albania	639	
Lithuania/Armenia	553	
Lithuania/Austria	3,809	
Lithuania/Azerbaijan	-	
Lithuania/Bahrain		47
Lithuania/Belgium	4,049	
Lithuania/Bulgaria	2,964	
Lithuania/Croatia	3,800	
Lithuania/Cyprus	5,913	
Lithuania/Czechia	2,734	
Lithuania/Denmark	14,250	
Lithuania/Egypt		16,904
Lithuania/Estonia	404	
Lithuania/Finland	5,269	
Lithuania/France	9,600	
Lithuania/Georgia	3,827	
Lithuania/Germany	30,628	
Lithuania/Greece	8,574	
Lithuania/Hungary	200	
Lithuania/Iceland	3,735	
Lithuania/Iraq	-	
Lithuania/Ireland	12,609	
Lithuania/Israel	5,960	
Lithuania/Italy	23,357	
Lithuania/Japan	223	
Lithuania/Jordan		31
Lithuania/Kazakhstan	77	
Lithuania/Kuwait		150
Lithuania/Latvia	1,741	
Lithuania/Libya		13
Lithuania/Luxembourg	9	
Lithuania/Malta	2,879	
Lithuania/Montenegro	1,868	
Lithuania/Netherlands	6,392	
Lithuania/Norway	16,313	
Lithuania/Oman	286	
Lithuania/Poland	10,281	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Lithuania/Portugal	3,991	
Lithuania/Romania	64	
Lithuania/Russian Federation		39
Lithuania/Saudi Arabia	-	
Lithuania/Serbia	119	
Lithuania/Slovakia	1,225	
Lithuania/Slovenia	27	
Lithuania/Spain	34,709	
Lithuania/Sweden	6,541	
Lithuania/Switzerland	2,506	
Lithuania/Tunisia		2,566
Lithuania/Türkiye	47,924	
Lithuania/United Arab Emirates	1,235	
Lithuania/United Kingdom	55,582	
Lithuania/United States	826	
Lithuania/Uzbekistan		168
Luxembourg/Austria	4,389	
Luxembourg/Azerbaijan	58,112	
Luxembourg/Bahrain		13,652
Luxembourg/Belgium	111	
Luxembourg/Brazil		78,763*
Luxembourg/Bulgaria	1,470	
Luxembourg/Cabo Verde		6,504
Luxembourg/Canada	3,145	
Luxembourg/China		211,543
Luxembourg/Congo		36
Luxembourg/Croatia	314	
Luxembourg/Cyprus	61	
Luxembourg/Czechia	787	
Luxembourg/Denmark	2,530	
Luxembourg/Egypt		6,492
Luxembourg/Estonia	4	
Luxembourg/Finland	238	
Luxembourg/France	14,746	
Luxembourg/Georgia	5,975	
Luxembourg/Germany	15,808	
Luxembourg/Greece	9,679	
Luxembourg/Hungary	1,105	
Luxembourg/Iceland	72	
Luxembourg/India		21,324
Luxembourg/Ireland	4,751	
Luxembourg/Israel	-	
Luxembourg/Italy	30,120	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Luxembourg/Japan	6,113	
Luxembourg/Jordan		12,191
Luxembourg/Kazakhstan	5,376	
Luxembourg/Kuwait		23,123
Luxembourg/Latvia	39	
Luxembourg/Lithuania	4	
Luxembourg/Malaysia	41,434	
Luxembourg/Malta	2,314	
Luxembourg/Mexico	130,180	
Luxembourg/Montenegro	845	
Luxembourg/Morocco		2,918
Luxembourg/Netherlands	6,051	
Luxembourg/North Macedonia	102	
Luxembourg/Norway	1,821	
Luxembourg/Oman	10,114	
Luxembourg/Poland	3,525	
Luxembourg/Portugal	58,800	
Luxembourg/Qatar	14,439	
Luxembourg/Republic of Korea	49,251	
Luxembourg/Romania	3,201	
Luxembourg/Saudi Arabia	40,647	
Luxembourg/Senegal		2,038
Luxembourg/Serbia	349	
Luxembourg/Singapore	66,604	
Luxembourg/Slovakia	14	
Luxembourg/Slovenia	140	
Luxembourg/South Africa		67,767
Luxembourg/Spain	56,457	
Luxembourg/Sweden	1,571	
Luxembourg/Switzerland	5,632	
Luxembourg/Thailand	29,662	
Luxembourg/Togo		24
Luxembourg/Tunisia		6,693
Luxembourg/Türkiye	12,505	
Luxembourg/Turkmenistan		49,852
Luxembourg/United Arab Emirates	77,996	
Luxembourg/United Kingdom	16,707	
Luxembourg/United States	367,465	
Luxembourg/Viet Nam		3,718
Madagascar/Belgium	42	
Madagascar/Comoros		9*
Madagascar/Djibouti		31
Madagascar/Egypt		222

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Madagascar/Ethiopia		25,505
Madagascar/France	69,627	
Madagascar/Ghana	48	
Madagascar/India		162
Madagascar/Italy	5,017	
Madagascar/Kenya	12,855	
Madagascar/Malaysia	-	
Madagascar/Maldives	16*	
Madagascar/Mauritius		8,023
Madagascar/Morocco		43
Madagascar/Mozambique		12
Madagascar/Oman	-	
Madagascar/Philippines	53	
Madagascar/Qatar	-	
Madagascar/Rwanda	35	
Madagascar/Saudi Arabia	14*	
Madagascar/Seychelles		105
Madagascar/South Africa		5,905
Madagascar/Tunisia		175
Madagascar/Türkiye	5,903	
Madagascar/Uganda	768	
Madagascar/United Arab Emirates	77	
Madagascar/United Republic of Tanzania	67	
Madagascar/Zambia	31	
Madagascar/Zimbabwe	13	
Malawi/Burundi		-
Malawi/Czechia		46
Malawi/Democratic Republic of the Congo		5,460*
Malawi/Djibouti		37
Malawi/Ethiopia		12,290
Malawi/France		169
Malawi/Ghana		23
Malawi/Israel		278
Malawi/Kenya		4,005
Malawi/Madagascar		15
Malawi/Maldives		27
Malawi/Mozambique		1,148*
Malawi/Rwanda		36
Malawi/South Africa		8,719
Malawi/Switzerland		50
Malawi/Togo		-
Malawi/Tunisia		54
Malawi/Uganda		43

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malawi/United Republic of Tanzania		217
Malawi/Zambia		216
Malawi/Zimbabwe		78
Malaysia/Australia	493,172	
Malaysia/Austria	50	
Malaysia/Azerbaijan	-	
Malaysia/Bahrain		122
Malaysia/Bangladesh		35,534*
Malaysia/Bhutan		192
Malaysia/Brunei Darussalam		21,936
Malaysia/Cambodia	28,866	
Malaysia/China		892,668
Malaysia/Czechia	55	
Malaysia/Egypt		1,058
Malaysia/Ethiopia		2,379
Malaysia/Fiji		211*
Malaysia/France	-	
Malaysia/Germany	65	
Malaysia/Greece	40	
Malaysia/India		322,141
Malaysia/Indonesia	426,837	
Malaysia/Iraq	-	
Malaysia/Italy	53	
Malaysia/Japan	302,165	
Malaysia/Kazakhstan	1,067	
Malaysia/Kuwait		15,015
Malaysia/Lao People's Democratic Republic		10*
Malaysia/Lebanon		-
Malaysia/Luxembourg	910	
Malaysia/Madagascar	-	
Malaysia/Maldives	18,138	
Malaysia/Mauritius		11,727
Malaysia/Mongolia		340
Malaysia/Myanmar		9,186*
Malaysia/Nepal		31,647*
Malaysia/Netherlands	63,847	
Malaysia/New Zealand	79,269	
Malaysia/Oman	57*	
Malaysia/Pakistan		35,114
Malaysia/Papua New Guinea	49	
Malaysia/Philippines	90,875	
Malaysia/Portugal	286	
Malaysia/Qatar	-	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malaysia/Republic of Korea	263,970	
Malaysia/Saudi Arabia	376,810	
Malaysia/Seychelles		-
Malaysia/Singapore	228,112	
Malaysia/Sri Lanka		38,408
Malaysia/Switzerland	55*	
Malaysia/Tajikistan		24
Malaysia/Thailand	220,559	
Malaysia/Timor-Leste	14*	
Malaysia/Türkiye	133,444	
Malaysia/United Arab Emirates	279,712	
Malaysia/United Kingdom	190,567	
Malaysia/United Republic of Tanzania	120	
Malaysia/United States	552	
Malaysia/Uzbekistan		7,119
Malaysia/Viet Nam		137,857
Maldives/Armenia	97	
Maldives/Australia	261	
Maldives/Austria	18,162	
Maldives/Azerbaijan	-	
Maldives/Bahrain		13,951
Maldives/Bangladesh		10,091
Maldives/Belgium	39	
Maldives/Cambodia	97	
Maldives/Chile		-
Maldives/China		48,785
Maldives/Cyprus	458	
Maldives/Czechia	698	
Maldives/Denmark	36	
Maldives/Egypt		239
Maldives/France	569	
Maldives/Georgia	145	
Maldives/Germany	35,292	
Maldives/Greece	286	
Maldives/India		34,687
Maldives/Indonesia	295	
Maldives/Ireland	-	
Maldives/Israel	32	
Maldives/Italy	26,962	
Maldives/Japan	39*	
Maldives/Kazakhstan	6,252	
Maldives/Kenya	69	
Maldives/Kuwait		1,339

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Maldives/Kyrgyzstan		38
Maldives/Lao People's Democratic Republic		23
Maldives/Madagascar	271	
Maldives/Malaysia	221*	
Maldives/Malta	-	
Maldives/Mauritius		42
Maldives/Mozambique		34
Maldives/Netherlands	-	
Maldives/New Zealand	-	
Maldives/Nigeria	41*	
Maldives/Oman	2,689	
Maldives/Philippines	23*	
Maldives/Poland	1,449	
Maldives/Qatar	106,252	
Maldives/Republic of Korea	-	
Maldives/Romania	106	
Maldives/Russian Federation		66,231
Maldives/Saudi Arabia	12,340	
Maldives/Seychelles		320
Maldives/Singapore	43,672	
Maldives/Slovakia	158	
Maldives/South Africa		103
Maldives/Spain	299	
Maldives/Sri Lanka		52,711
Maldives/Sweden	269	
Maldives/Switzerland	21,621	
Maldives/Thailand	16,380	
Maldives/Türkiye	59,262	
Maldives/Uganda	166	
Maldives/United Arab Emirates	192,554	
Maldives/United Kingdom	63,237	
Maldives/United Republic of Tanzania	104	
Maldives/Uzbekistan		402
Maldives/Viet Nam		90
Mali/Algeria		11,323
Mali/Belgium	398	
Mali/Benin	2,343	
Mali/Brazil		116
Mali/Burkina Faso	299	
Mali/Chile		364
Mali/Côte d'Ivoire	6,789	
Mali/Egypt		1,578
Mali/Ethiopia		46,144

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mali/France	21,731	
Mali/Gabon	2,299	
Mali/Georgia	220	
Mali/Germany	4,599*	
Mali/Ghana	257*	
Mali/Guinea		7,914
Mali/Kenya	161	
Mali/Liberia		42
Mali/Mauritania		1,445
Mali/Morocco		-
Mali/Namibia	22	
Mali/Netherlands	-	
Mali/Niger		1,972
Mali/Nigeria	171	
Mali/Saudi Arabia	1,660	
Mali/Senegal		15,696
Mali/Sierra Leone		38
Mali/Spain	718	
Mali/Sudan		38
Mali/Togo		5,131
Mali/Tunisia		4,030
Mali/Türkiye	14,871	
Mali/Uganda	41	
Malta/Albania	16	
Malta/Algeria		69
Malta/Antigua and Barbuda		45
Malta/Argentina		3,252
Malta/Armenia	42	
Malta/Austria	9,338	
Malta/Azerbaijan	20*	
Malta/Bahrain		60
Malta/Belgium	11,748	
Malta/Benin	17	
Malta/Bosnia and Herzegovina	53	
Malta/Brazil		235
Malta/Bulgaria	1,888	
Malta/Burkina Faso	74	
Malta/Burundi		237*
Malta/Cabo Verde		202
Malta/Cambodia	56	
Malta/Cameroon	36	
Malta/Canada	148	
Malta/Chad		14

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malta/China		155*
Malta/Congo		20
Malta/Côte d'Ivoire	18	
Malta/Croatia	2,730	
Malta/Cyprus	18,203	
Malta/Czechia	2,059	
Malta/Democratic Republic of the Congo	1,608	
Malta/Denmark	6,062	
Malta/Egypt		730
Malta/Equatorial Guinea	171	
Malta/Estonia	710	
Malta/Finland	187	
Malta/France	40,079	
Malta/Gabon	19	
Malta/Gambia	17	
Malta/Georgia	142	
Malta/Germany	42,366	
Malta/Ghana	181	
Malta/Greece	6,997	
Malta/Guyana	49	
Malta/Hungary	5,570	
Malta/Iceland	305	
Malta/India		33
Malta/Ireland	8,271	
Malta/Israel	2,682	
Malta/Italy	67,022	
Malta/Japan	51	
Malta/Jordan		76
Malta/Kazakhstan	116	
Malta/Kuwait		13
Malta/Kyrgyzstan		101
Malta/Latvia	4,110	
Malta/Lebanon		31
Malta/Libya		128
Malta/Lithuania	2,844	
Malta/Luxembourg	2,563	
Malta/Maldives	40*	
Malta/Mauritania		-
Malta/Mongolia		290
Malta/Montenegro	37	
Malta/Morocco		481
Malta/Namibia	143	
Malta/Netherlands	8,929	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Malta/Nigeria	107	
Malta/North Macedonia	1,033	
Malta/Norway	626	
Malta/Paraguay		57
Malta/Poland	20,624	
Malta/Portugal	7,441	
Malta/Qatar	181	
Malta/Republic of Korea	41	
Malta/Romania	5,113	
Malta/Russian Federation		38
Malta/Saudi Arabia	206*	
Malta/Senegal		-
Malta/Serbia	5,788	
Malta/Seychelles		-
Malta/Singapore	-	
Malta/Slovakia	2,755	
Malta/Slovenia	289	
Malta/Spain	20,783	
Malta/Sri Lanka		36
Malta/Sudan		-
Malta/Sweden	3,227	
Malta/Switzerland	11,304	
Malta/Thailand	261	
Malta/Togo		167
Malta/Tunisia		397
Malta/Türkiye	11,892	
Malta/Uganda	-	
Malta/United Arab Emirates	470	
Malta/United Kingdom	106,088	
Malta/United Republic of Tanzania	50	
Malta/United States	1,168	
Malta/Uzbekistan		91
Marshall Islands/Australia	44	
Marshall Islands/Fiji		-
Marshall Islands/Indonesia	177	
Marshall Islands/Kiribati	326	
Marshall Islands/Micronesia (Federated States of)	3,449	
Marshall Islands/Philippines	-	
Marshall Islands/United States	12,475	
Mauritania/Algeria		4,357
Mauritania/Benin		363
Mauritania/Canada		168

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mauritania/Central African Republic		74
Mauritania/Côte d'Ivoire		172
Mauritania/Democratic Republic of the Congo		46
Mauritania/Ethiopia		129
Mauritania/France		10,800
Mauritania/Gabon		31*
Mauritania/Gambia		1,235
Mauritania/Ghana		138
Mauritania/Greece		-
Mauritania/Guinea		2,717
Mauritania/Guinea-Bissau		6
Mauritania/Ireland		156
Mauritania/Mali		1,202
Mauritania/Morocco		11,372
Mauritania/Nigeria		-
Mauritania/Peru		-
Mauritania/Portugal		14
Mauritania/Saudi Arabia		58*
Mauritania/Senegal		3,562
Mauritania/South Africa		32
Mauritania/Spain		3,503
Mauritania/Tunisia		7,315
Mauritania/Türkiye		17,039
Mauritania/United Arab Emirates		87*
Mauritania/United Kingdom		42
Mauritania/United States		48
Mauritania/Venezuela (Bolivarian Republic of)		-
Mauritius/Angola		149
Mauritius/Australia		11,838
Mauritius/Austria		20,836
Mauritius/Belgium		12,392
Mauritius/Cyprus		105
Mauritius/Denmark		44
Mauritius/Djibouti		290
Mauritius/Egypt		544
Mauritius/France		222,285
Mauritius/Germany		58,864
Mauritius/Greece		163
Mauritius/India		47,394
Mauritius/Indonesia		35
Mauritius/Italy		4,327
Mauritius/Kenya		-
Mauritius/Madagascar		9,438

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mauritius/Malaysia		11,118
Mauritius/Maldives		86
Mauritius/Mozambique		-
Mauritius/Oman		29
Mauritius/Poland		48
Mauritius/Portugal		740
Mauritius/Qatar		-
Mauritius/Russian Federation		785
Mauritius/Rwanda		79*
Mauritius/Saudi Arabia		17,752
Mauritius/Seychelles		3,731
Mauritius/Sierra Leone		52
Mauritius/South Africa		39,697
Mauritius/Spain		3,389
Mauritius/Switzerland		21,321
Mauritius/Türkiye		43,846*
Mauritius/United Arab Emirates		171,693
Mauritius/United Kingdom		118,702
Mauritius/United Republic of Tanzania		138
Mauritius/Zambia		-
Mexico/Algeria		380
Mexico/Argentina		81,408
Mexico/Austria	9,073	
Mexico/Bahamas	278	
Mexico/Barbados	18	
Mexico/Belgium	29,229	
Mexico/Belize	43	
Mexico/Bolivia (Plurinational State of)		286
Mexico/Brazil		111,864
Mexico/Canada	693,425	
Mexico/Chile		70,273
Mexico/China		448
Mexico/Colombia		201,058
Mexico/Costa Rica	46,578	
Mexico/Cuba	30,415	
Mexico/Czechia	54	
Mexico/Denmark	1,163	
Mexico/Dominican Republic	22,056	
Mexico/Ecuador		33,777
Mexico/El Salvador	15,969	
Mexico/Finland	1,647	
Mexico/France	288,875	
Mexico/Germany	262,350	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mexico/Grenada	10	
Mexico/Guatemala	25,911	
Mexico/Haiti		339
Mexico/Honduras	6,394	
Mexico/Hungary	224	
Mexico/Ireland	1,264	
Mexico/Italy	53,291	
Mexico/Jamaica	20	
Mexico/Japan	141,001	
Mexico/Luxembourg	33,181*	
Mexico/Malta	237	
Mexico/Morocco		140
Mexico/Netherlands	148,855	
Mexico/Nicaragua		12,093
Mexico/Norway	497	
Mexico/Panama		108,983
Mexico/Peru		120,545
Mexico/Poland	9,583	
Mexico/Portugal	46,176	
Mexico/Republic of Korea	1,464	
Mexico/Saint Vincent and the Grenadines	29	
Mexico/Spain	565,897	
Mexico/Suriname	234	
Mexico/Sweden	4,095	
Mexico/Switzerland	26,990	
Mexico/Trinidad and Tobago	23*	
Mexico/Türkiye	117,343	
Mexico/United Arab Emirates	-	
Mexico/United Kingdom	288,639	
Mexico/United States	3,621,041	
Mexico/Uruguay	40	
Mexico/Venezuela (Bolivarian Republic of)		7,195
Micronesia (Federated States of)/Australia	34*	
Micronesia (Federated States of)/Kiribati	20	
Micronesia (Federated States of)/Marshall Islands	3,045	
Micronesia (Federated States of)/Palau	180	
Micronesia (Federated States of)/Philippines	-	
Micronesia (Federated States of)/United States	6,525	
Mongolia/Austria		47
Mongolia/Azerbaijan		-
Mongolia/China		17,805
Mongolia/France		316

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mongolia/Georgia		48
Mongolia/Germany		23,550
Mongolia/India		196
Mongolia/Iran (Islamic Republic of)		-
Mongolia/Italy		192*
Mongolia/Japan		9,502
Mongolia/Kazakhstan		-
Mongolia/Kyrgyzstan		48
Mongolia/Lao People's Democratic Republic		67
Mongolia/Malaysia		340
Mongolia/Qatar		-
Mongolia/Republic of Korea		57,927
Mongolia/Russian Federation		7
Mongolia/Singapore		160
Mongolia/South Sudan		493
Mongolia/Sri Lanka		86
Mongolia/Thailand		4,399
Mongolia/Türkiye		41,633
Mongolia/Turkmenistan		478
Mongolia/United Arab Emirates		-
Mongolia/United Kingdom		98
Mongolia/United States		166
Mongolia/Uzbekistan		59*
Mongolia/Viet Nam		1,069
Montenegro/Albania	18	
Montenegro/Armenia	528*	
Montenegro/Austria	7,146	
Montenegro/Azerbaijan	-	
Montenegro/Bahrain		17
Montenegro/Belgium	2,158	
Montenegro/Bosnia and Herzegovina	3*	
Montenegro/Bulgaria	88	
Montenegro/Croatia	720	
Montenegro/Cyprus	25	
Montenegro/Czechia	1,050	
Montenegro/Denmark	788	
Montenegro/Egypt		388
Montenegro/Estonia	1,623	
Montenegro/Finland	665	
Montenegro/France	5,301	
Montenegro/Georgia	10	
Montenegro/Germany	8,504	
Montenegro/Greece	675	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Montenegro/Hungary	873	
Montenegro/Iceland	91	
Montenegro/Israel	6,684	
Montenegro/Italy	2,491	
Montenegro/Jordan		24
Montenegro/Kazakhstan	19*	
Montenegro/Kuwait		994
Montenegro/Kyrgyzstan		21
Montenegro/Latvia	1,102	
Montenegro/Lebanon		8
Montenegro/Lithuania	1,528*	
Montenegro/Luxembourg	949	
Montenegro/Malta	24	
Montenegro/Netherlands	29	
Montenegro/North Macedonia	2	
Montenegro/Norway	612	
Montenegro/Poland	10,116	
Montenegro/Portugal	13	
Montenegro/Republic of Moldova	-	
Montenegro/Romania	19	
Montenegro/Saudi Arabia	899	
Montenegro/Serbia	15,920	
Montenegro/Seychelles		-
Montenegro/Slovakia	340	
Montenegro/Slovenia	1,231	
Montenegro/Spain	2,284	
Montenegro/Sweden	241	
Montenegro/Switzerland	2,020	
Montenegro/Thailand	-	
Montenegro/Tunisia		6
Montenegro/Türkiye	16,614	
Montenegro/United Arab Emirates	1,690	
Montenegro/United Kingdom	11,869	
Montenegro/United States	43*	
Montenegro/Uzbekistan		648
Morocco/Algeria		-
Morocco/Angola		31*
Morocco/Antigua and Barbuda		31
Morocco/Argentina		55*
Morocco/Austria		5,407
Morocco/Azerbaijan		-
Morocco/Bahrain		11,157
Morocco/Barbados		61

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Morocco/Belgium		125,177
Morocco/Benin		3,651
Morocco/Brazil		6,937
Morocco/Bulgaria		470
Morocco/Burkina Faso		7,932
Morocco/Cabo Verde		5,077
Morocco/Cameroon		44*
Morocco/Canada		82,344
Morocco/Central African Republic		-
Morocco/Chad		-
Morocco/China		1,821*
Morocco/Congo		5,156
Morocco/Côte d'Ivoire		20,288
Morocco/Croatia		13*
Morocco/Cuba		1,073
Morocco/Cyprus		220
Morocco/Czechia		1,540
Morocco/Democratic Republic of the Congo		46*
Morocco/Denmark		3,557
Morocco/Egypt		31,018
Morocco/Equatorial Guinea		-
Morocco/Ethiopia		141*
Morocco/Finland		19*
Morocco/France		597,579
Morocco/Gabon		6,968
Morocco/Gambia		-
Morocco/Germany		82,122
Morocco/Ghana		8,935
Morocco/Greece		2,690
Morocco/Guinea		11,508
Morocco/Guinea-Bissau		-
Morocco/Hungary		115
Morocco/Iceland		77
Morocco/Ireland		6,149
Morocco/Israel		21,153
Morocco/Italy		123,083
Morocco/Jordan		-
Morocco/Kazakhstan		-
Morocco/Kenya		28
Morocco/Kuwait		15,531
Morocco/Latvia		1,423
Morocco/Lebanon		45
Morocco/Liberia		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Morocco/Lithuania		30
Morocco/Luxembourg		2,914
Morocco/Mali		-
Morocco/Malta		357
Morocco/Mauritania		11,812
Morocco/Mexico		837
Morocco/Netherlands		65,718
Morocco/Niger		8*
Morocco/Nigeria		16,490
Morocco/Norway		806
Morocco/Poland		8,246
Morocco/Portugal		27,198
Morocco/Qatar		56,820
Morocco/Romania		424*
Morocco/Russian Federation		179*
Morocco/Rwanda		34
Morocco/Sao Tome and Principe		16
Morocco/Saudi Arabia		120,059
Morocco/Senegal		32,434
Morocco/Sierra Leone		24*
Morocco/Singapore		63
Morocco/Slovenia		-
Morocco/South Africa		-
Morocco/Spain		138,846
Morocco/Sudan		25
Morocco/Sweden		1,883
Morocco/Switzerland		28,853
Morocco/Thailand		58
Morocco/Togo		4,627
Morocco/Tunisia		23,214
Morocco/Türkiye		97,251
Morocco/United Arab Emirates		139,056
Morocco/United Kingdom		150,501
Morocco/United Republic of Tanzania		-
Morocco/United States		109,604
Morocco/Uruguay		-
Morocco/Uzbekistan		-
Morocco/Venezuela (Bolivarian Republic of)		148*
Morocco/Zambia		38
Mozambique/Algeria		-
Mozambique/Angola		19*
Mozambique/Bahrain		63
Mozambique/Benin		67

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Mozambique/Cabo Verde		68
Mozambique/Chad		-
Mozambique/Egypt		155
Mozambique/Ethiopia		24,006
Mozambique/France		164
Mozambique/Gabon		64
Mozambique/Germany		38
Mozambique/Greece		80
Mozambique/India		77
Mozambique/Kenya		5,784
Mozambique/Madagascar		12
Mozambique/Malawi		39
Mozambique/Maldives		-
Mozambique/Morocco		47
Mozambique/Nigeria		32
Mozambique/Portugal		26,501*
Mozambique/Qatar		-
Mozambique/Russian Federation		546
Mozambique/Rwanda		780
Mozambique/Saudi Arabia		156
Mozambique/Senegal		72
Mozambique/Seychelles		159
Mozambique/South Africa		24,171
Mozambique/Spain		108
Mozambique/Switzerland		98
Mozambique/Tunisia		76
Mozambique/Türkiye		35
Mozambique/United Arab Emirates		806
Mozambique/United Kingdom		54
Mozambique/United Republic of Tanzania		1,029
Mozambique/Zambia		111
Mozambique/Zimbabwe		862
Myanmar/Bangladesh		26*
Myanmar/Bhutan		31
Myanmar/Cambodia		1,441*
Myanmar/China		30,579
Myanmar/India		8,277
Myanmar/Lao People's Democratic Republic		28
Myanmar/Malaysia		9,083*
Myanmar/Qatar		-
Myanmar/Republic of Korea		13,343
Myanmar/Russian Federation		973
Myanmar/Singapore		29,726

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Myanmar/Thailand		40,152
Myanmar/United Arab Emirates		5,943
Myanmar/Viet Nam		4,186
Namibia/Angola		11*
Namibia/Azerbaijan	-	
Namibia/Botswana	4	
Namibia/Brazil		45
Namibia/Cameroon	13	
Namibia/Congo		-
Namibia/Democratic Republic of the Congo	-	
Namibia/Ethiopia		23,246
Namibia/Gabon	-	
Namibia/Germany	85,774	
Namibia/Italy	84	
Namibia/Jordan		338
Namibia/Kenya	188*	
Namibia/Nigeria	45	
Namibia/Qatar	-	
Namibia/South Africa		36,833
Namibia/Spain	267	
Namibia/Switzerland	40	
Namibia/United Arab Emirates	316	
Namibia/United Republic of Tanzania	26	
Namibia/Zambia	16	
Namibia/Zimbabwe	2,764	
Nauru/Australia	9,466	
Nauru/Fiji		1,383
Nauru/Kiribati	764	
Nauru/Marshall Islands	13	
Nauru/New Zealand	171	
Nauru/Palau	39	
Nauru/Republic of Korea	269	
Nauru/Solomon Islands		121
Nauru/United States	32	
Nepal/Bangladesh		4,707
Nepal/Bhutan		2,452
Nepal/Cambodia		99
Nepal/China		34,708
Nepal/Egypt		118
Nepal/Ethiopia		853
Nepal/India		52,999
Nepal/Indonesia		32
Nepal/Japan		16,832

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nepal/Kuwait		24,182
Nepal/Lebanon		561
Nepal/Malaysia		32,141*
Nepal/Oman		3,590
Nepal/Qatar		25,274*
Nepal/Republic of Korea		21,605
Nepal/Saudi Arabia		13,746
Nepal/Singapore		14,613
Nepal/Sri Lanka		6,527
Nepal/Switzerland		45
Nepal/Thailand		9,940
Nepal/Türkiye		22,152
Nepal/United Arab Emirates		25,316*
Nepal/Viet Nam		124
Netherlands/Albania	4,457	
Netherlands/Algeria		-
Netherlands/Antigua and Barbuda		2,859
Netherlands/Argentina		88,570
Netherlands/Austria	49,592	
Netherlands/Azerbaijan	29,895	
Netherlands/Bahamas	560	
Netherlands/Bahrain		824
Netherlands/Barbados	6,361	
Netherlands/Belgium	7,376	
Netherlands/Belize	8	
Netherlands/Benin	185	
Netherlands/Bosnia and Herzegovina	1,107	
Netherlands/Brazil		270,399
Netherlands/Bulgaria	21,342	
Netherlands/Cabo Verde		12,168
Netherlands/Cameroon	40	
Netherlands/Canada	378,820	
Netherlands/China		967,525
Netherlands/Colombia		86,144
Netherlands/Costa Rica	19,910	
Netherlands/Croatia	31,114	
Netherlands/Cuba	8,675	
Netherlands/Cyprus	10,656	
Netherlands/Czechia	20,330	
Netherlands/Denmark	57,136	
Netherlands/Dominica		5
Netherlands/Dominican Republic	19,491	
Netherlands/Ecuador		82,240

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Netherlands/Egypt		42,672
Netherlands/Estonia	1,819	
Netherlands/Finland	48,813	
Netherlands/France	182,310	
Netherlands/Gambia	5,484	
Netherlands/Georgia	3,471	
Netherlands/Germany	139,991	
Netherlands/Ghana	54,779	
Netherlands/Greece	164,976	
Netherlands/Grenada	13	
Netherlands/Guyana	184	
Netherlands/Haiti		275
Netherlands/Hungary	28,295	
Netherlands/Iceland	25,563	
Netherlands/India		174,324
Netherlands/Indonesia	31,516	
Netherlands/Iran (Islamic Republic of)		-
Netherlands/Iraq	-	
Netherlands/Ireland	58,788	
Netherlands/Israel	54,545	
Netherlands/Italy	215,056	
Netherlands/Jamaica	16,125	
Netherlands/Japan	51,560	
Netherlands/Jordan		12,248
Netherlands/Kazakhstan	-	
Netherlands/Kenya	100,161	
Netherlands/Kuwait		30,717
Netherlands/Latvia	1,853	
Netherlands/Lebanon		5,129
Netherlands/Libya		81
Netherlands/Lithuania	9,620	
Netherlands/Luxembourg	9,879	
Netherlands/Malaysia	58,124	
Netherlands/Maldives	77	
Netherlands/Malta	8,266	
Netherlands/Mexico	164,954	
Netherlands/Montenegro	27	
Netherlands/Morocco		66,445
Netherlands/Mozambique		71
Netherlands/Namibia	43	
Netherlands/Nicaragua		26
Netherlands/Nigeria	41,390	
Netherlands/North Macedonia	5,415	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Netherlands/Norway	83,405	
Netherlands/Panama		98,316
Netherlands/Peru		108,468
Netherlands/Philippines	429	
Netherlands/Poland	74,612	
Netherlands/Portugal	169,746	
Netherlands/Qatar	145,687	
Netherlands/Republic of Korea	259,824	
Netherlands/Republic of Moldova	-	
Netherlands/Romania	42,190	
Netherlands/Russian Federation		1,913
Netherlands/Rwanda	41,942	
Netherlands/Saint Kitts and Nevis	228	
Netherlands/Saint Lucia		47
Netherlands/Saint Vincent and the Grenadines	64	
Netherlands/Saudi Arabia	84,800	
Netherlands/Senegal		2,346
Netherlands/Serbia	18,667	
Netherlands/Singapore	203,587	
Netherlands/Slovakia	1,289	
Netherlands/Slovenia	1,715	
Netherlands/South Africa		287,475
Netherlands/Spain	571,261	
Netherlands/Suriname	91,953	
Netherlands/Sweden	57,495	
Netherlands/Switzerland	53,815	
Netherlands/Thailand	171,255	
Netherlands/Trinidad and Tobago	7,456	
Netherlands/Tunisia		1,391
Netherlands/Türkiye	221,938	
Netherlands/Turkmenistan		312
Netherlands/Uganda	506	
Netherlands/United Arab Emirates	381,071	
Netherlands/United Kingdom	280,365	
Netherlands/United Republic of Tanzania	67,281	
Netherlands/United States	2,460,516	
Netherlands/Uruguay	248	
Netherlands/Uzbekistan		4,071
Netherlands/Venezuela (Bolivarian Republic of)		183
Netherlands/Viet Nam		-
New Zealand/Australia	782,863	
New Zealand/Cambodia	-	
New Zealand/Canada	18,889*	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
New Zealand/Chile		65,661
New Zealand/China		434,975
New Zealand/Cook Islands	-	
New Zealand/Fiji		54,778
New Zealand/France	26,274	
New Zealand/Indonesia	16,009	
New Zealand/Japan	68,200	
New Zealand/Malaysia	84,521	
New Zealand/Qatar	-	
New Zealand/Republic of Korea	97,329	
New Zealand/Samoa		-
New Zealand/Singapore	298,225	
New Zealand/Sri Lanka		1,213
New Zealand/Tonga	-	
New Zealand/United Arab Emirates	-	
New Zealand/United States	594,119	
New Zealand/Vanuatu	-	
New Zealand/Viet Nam		-
Nicaragua/Costa Rica		667
Nicaragua/Cuba		2,402
Nicaragua/Dominican Republic		5,760
Nicaragua/El Salvador		8,441
Nicaragua/Guatemala		679
Nicaragua/Haiti		3,147
Nicaragua/Honduras		2,636
Nicaragua/Hungary		431
Nicaragua/Jamaica		120
Nicaragua/Mexico		11,269
Nicaragua/Netherlands		9
Nicaragua/Panama		6,196
Nicaragua/Portugal		150
Nicaragua/Saint Lucia		22
Nicaragua/United Kingdom		436
Nicaragua/United States		67,934
Nicaragua/Venezuela (Bolivarian Republic of)		276
Niger/Algeria		123*
Niger/Angola		112
Niger/Azerbaijan		-
Niger/Belgium		60
Niger/Benin		1,089
Niger/Burkina Faso		3,805
Niger/Central African Republic		228
Niger/Chad		1,242

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Niger/Congo		95
Niger/Côte d'Ivoire		2,078
Niger/Croatia		177
Niger/Egypt		40*
Niger/Ethiopia		15,027
Niger/France		16,907
Niger/Gabon		73
Niger/Gambia		8
Niger/Germany		22,916
Niger/Ghana		401
Niger/Italy		1,487
Niger/Jordan		98
Niger/Kuwait		37
Niger/Libya		1,281
Niger/Mali		355
Niger/Mauritania		5
Niger/Morocco		9*
Niger/Nigeria		1,413
Niger/Portugal		57
Niger/Qatar		37
Niger/Saudi Arabia		3,718*
Niger/Senegal		256
Niger/Sierra Leone		24
Niger/Sudan		27
Niger/Togo		2,645
Niger/Tunisia		2,229
Niger/Türkiye		4,243
Niger/Uganda		33
Nigeria/Albania	20	
Nigeria/Algeria		251
Nigeria/Angola		3,967
Nigeria/Antigua and Barbuda		-
Nigeria/Argentina		-
Nigeria/Belgium	36,126	
Nigeria/Benin	300	
Nigeria/Botswana	39	
Nigeria/Brazil		1,360*
Nigeria/Bulgaria	50	
Nigeria/Burkina Faso	774	
Nigeria/Cameroon	3,820	
Nigeria/Central African Republic		1,554
Nigeria/Chad		4,887
Nigeria/China		793

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nigeria/Congo		1,777
Nigeria/Côte d'Ivoire	7,225	
Nigeria/Czechia	845	
Nigeria/Democratic Republic of the Congo	459	
Nigeria/Djibouti		657
Nigeria/Ecuador		203
Nigeria/Egypt		35,024
Nigeria/Equatorial Guinea	5,899	
Nigeria/Ethiopia		127,468
Nigeria/France	50,872	
Nigeria/Gabon	1,794	
Nigeria/Gambia	-	
Nigeria/Germany	64,727	
Nigeria/Ghana	16,970	
Nigeria/Greece	49*	
Nigeria/Guinea		57*
Nigeria/Guinea-Bissau		63
Nigeria/Guyana	119	
Nigeria/Hungary	1,129	
Nigeria/India		110*
Nigeria/Ireland	133	
Nigeria/Israel	-	
Nigeria/Italy	834	
Nigeria/Jordan		-
Nigeria/Kenya	32,658	
Nigeria/Lebanon		10,481
Nigeria/Liberia		405
Nigeria/Malawi		49
Nigeria/Maldives	47	
Nigeria/Mali	1,063*	
Nigeria/Malta	374	
Nigeria/Morocco		17,466
Nigeria/Mozambique		49
Nigeria/Namibia	155	
Nigeria/Netherlands	43,423*	
Nigeria/Niger		134
Nigeria/Peru		-
Nigeria/Poland	53	
Nigeria/Portugal	112	
Nigeria/Qatar	33*	
Nigeria/Rwanda	22,499	
Nigeria/Sao Tome and Principe		5
Nigeria/Saudi Arabia	46,512	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Nigeria/Senegal		1,630
Nigeria/Sierra Leone		1,789
Nigeria/Singapore	61	
Nigeria/South Africa		20,896
Nigeria/Spain	2,795	
Nigeria/Switzerland	787	
Nigeria/Togo		5,835
Nigeria/Tunisia		240
Nigeria/Türkiye	52,736	
Nigeria/Uganda	6,635	
Nigeria/United Arab Emirates	6,158	
Nigeria/United Kingdom	140,359	
Nigeria/United Republic of Tanzania	162	
Nigeria/United States	115,035	
Nigeria/Zambia	36*	
North Macedonia/Albania	34	
North Macedonia/Armenia	19	
North Macedonia/Austria	8,439	
North Macedonia/Azerbaijan	-	
North Macedonia/Belgium	3,589	
North Macedonia/Bosnia and Herzegovina	109	
North Macedonia/Bulgaria	166	
North Macedonia/Croatia	3,243	
North Macedonia/Cyprus	158	
North Macedonia/Czechia	41	
North Macedonia/Denmark	2,814	
North Macedonia/Egypt		2,129
North Macedonia/France	13,010	
North Macedonia/Germany	43,279	
North Macedonia/Greece	550	
North Macedonia/Hungary	1,184	
North Macedonia/Ireland	262	
North Macedonia/Israel	27	
North Macedonia/Italy	9,285	
North Macedonia/Latvia	-	
North Macedonia/Luxembourg	103	
North Macedonia/Malta	1,044	
North Macedonia/Montenegro	1	
North Macedonia/Netherlands	5,930	
North Macedonia/Norway	2,876	
North Macedonia/Poland	3,645	
North Macedonia/Portugal	6	
North Macedonia/Republic of Moldova	23*	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
North Macedonia/Romania	40	
North Macedonia/Russian Federation		22
North Macedonia/Saudi Arabia	583	
North Macedonia/Serbia	1,713	
North Macedonia/Slovakia	1,578	
North Macedonia/Slovenia	405	
North Macedonia/Spain	30	
North Macedonia/Sweden	11,626	
North Macedonia/Switzerland	12,512	
North Macedonia/Tunisia		650
North Macedonia/Türkiye	15,490	
North Macedonia/United Arab Emirates	16	
North Macedonia/United Kingdom	4,700	
North Macedonia/United States	157	
Norway/Albania	2,401	
Norway/Austria	7,997	
Norway/Azerbaijan	-	
Norway/Bahamas	44	
Norway/Belgium	14,483	
Norway/Bosnia and Herzegovina	334	
Norway/Bulgaria	6,620	
Norway/Cabo Verde		3,023
Norway/Canada	500	
Norway/China		337
Norway/Croatia	15,982	
Norway/Cyprus	12,470	
Norway/Czechia	7,450	
Norway/Denmark	95,002	
Norway/Dominican Republic	150	
Norway/Egypt		2,618
Norway/Estonia	2,592	
Norway/Ethiopia		241
Norway/Finland	20,302	
Norway/France	53,338	
Norway/Germany	99,369	
Norway/Greece	67,363	
Norway/Hungary	7,206	
Norway/Iceland	19,677	
Norway/India		141
Norway/Iraq	-	
Norway/Ireland	6,301	
Norway/Israel	16,053	
Norway/Italy	39,584	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Norway/Jordan		-
Norway/Kazakhstan	134	
Norway/Kuwait		21
Norway/Latvia	8,058	
Norway/Lithuania	20,866	
Norway/Luxembourg	1,137	
Norway/Malta	696	
Norway/Mexico	161	
Norway/Montenegro	611	
Norway/Morocco		790
Norway/Netherlands	82,487	
Norway/North Macedonia	2,713	
Norway/Poland	95,146	
Norway/Portugal	20,453	
Norway/Qatar	68*	
Norway/Republic of Korea	72,320	
Norway/Republic of Moldova	44	
Norway/Romania	5,424	
Norway/Saudi Arabia	32*	
Norway/Serbia	8,966	
Norway/Slovakia	35	
Norway/Slovenia	205	
Norway/South Africa		298
Norway/Spain	258,865	
Norway/Sweden	48,140	
Norway/Switzerland	18,392	
Norway/Thailand	7,281	
Norway/Trinidad and Tobago	125	
Norway/Tunisia		22
Norway/Türkiye	59,470	
Norway/United Arab Emirates	61,101	
Norway/United Kingdom	126,635	
Norway/United States	84,017	
Oman/Afghanistan	33*	
Oman/Algeria		92
Oman/Angola		941
Oman/Armenia	13	
Oman/Austria	25*	
Oman/Azerbaijan	410	
Oman/Bahrain		13,070
Oman/Bangladesh		90,650
Oman/Belarus		-
Oman/Belgium	1,859	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Oman/Bosnia and Herzegovina	-	
Oman/Botswana	66	
Oman/Brunei Darussalam		248
Oman/Bulgaria	278	
Oman/China		12,487
Oman/Cyprus	358	
Oman/Czechia	5,378*	
Oman/Democratic Republic of the Congo	-	
Oman/Denmark	20	
Oman/Djibouti		1,375
Oman/Egypt		35,848
Oman/Ethiopia		7,373
Oman/France	40,500	
Oman/Georgia	-	
Oman/Germany	70,337	
Oman/Ghana	505	
Oman/Greece	886	
Oman/Hungary	173	
Oman/India		240,714
Oman/Indonesia	53,469	
Oman/Iran (Islamic Republic of)		20,543
Oman/Iraq	1,745	
Oman/Ireland	1,187	
Oman/Italy	39,979	
Oman/Japan	288*	
Oman/Jordan		10,939
Oman/Kazakhstan	38*	
Oman/Kenya	747	
Oman/Kuwait		21,914
Oman/Kyrgyzstan		372
Oman/Lebanon		-
Oman/Libya		-
Oman/Luxembourg	374	
Oman/Madagascar	-	
Oman/Malaysia	55,047	
Oman/Maldives	3,034	
Oman/Malta	25	
Oman/Morocco		59
Oman/Nepal		-
Oman/Netherlands	2,362	
Oman/Pakistan		50,641
Oman/Philippines	-	
Oman/Poland	6,566	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Oman/Portugal	147	
Oman/Qatar	33,088	
Oman/Republic of Korea	-	
Oman/Romania	594	
Oman/Russian Federation		-
Oman/Rwanda	70*	
Oman/Saudi Arabia	102,374	
Oman/Seychelles		15
Oman/Singapore	94*	
Oman/Slovakia	3,254	
Oman/South Africa		43
Oman/Spain	3,122	
Oman/Sri Lanka		16,312
Oman/Sudan		-
Oman/Sweden	29	
Oman/Switzerland	29,750	
Oman/Syrian Arab Republic		1,160
Oman/Tajikistan		-
Oman/Thailand	113,449	
Oman/Tunisia		166
Oman/Türkiye	65,168	
Oman/Uganda	-	
Oman/United Arab Emirates	66,763	
Oman/United Kingdom	52,800	
Oman/United Republic of Tanzania	13,424	
Oman/Uzbekistan		16*
Oman/Viet Nam		7,663
Pakistan/Afghanistan		872
Pakistan/Albania		42
Pakistan/Azerbaijan		7,277
Pakistan/Bahrain		88,369
Pakistan/Bangladesh		325
Pakistan/Belgium		628
Pakistan/Bulgaria		128
Pakistan/Canada		83,847
Pakistan/China		44,075
Pakistan/Egypt		294*
Pakistan/Ethiopia		5,158
Pakistan/Georgia		720
Pakistan/Germany		641
Pakistan/India		-
Pakistan/Iran (Islamic Republic of)		-
Pakistan/Iraq		7,709

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Pakistan/Japan		225
Pakistan/Jordan		13*
Pakistan/Kazakhstan		-
Pakistan/Kuwait		24,388
Pakistan/Kyrgyzstan		76
Pakistan/Malaysia		20,536*
Pakistan/Norway		362
Pakistan/Oman		54,273
Pakistan/Philippines		-
Pakistan/Qatar		205,833
Pakistan/Russian Federation		41*
Pakistan/Saudi Arabia		767,574
Pakistan/Spain		167
Pakistan/Sri Lanka		14,874
Pakistan/Switzerland		33
Pakistan/Syrian Arab Republic		2,532
Pakistan/Tajikistan		23
Pakistan/Thailand		53,076
Pakistan/Türkiye		174,502
Pakistan/Turkmenistan		-
Pakistan/Uganda		583
Pakistan/United Arab Emirates		546,347
Pakistan/United Kingdom		47,313
Pakistan/Uzbekistan		158
Palau/Australia	45	
Palau/Cambodia	-	
Palau/China		5,748
Palau/Micronesia (Federated States of)	537	
Palau/Papua New Guinea	2,029	
Palau/Philippines	2,138	
Palau/Republic of Korea	361	
Palau/Singapore	166	
Palau/Solomon Islands		75
Palau/United States	4,148	
Panama/Antigua and Barbuda		7
Panama/Argentina		137,488
Panama/Bahamas		2,687
Panama/Barbados		3,253
Panama/Belgium		-
Panama/Belize		896
Panama/Bolivia (Plurinational State of)		22,421
Panama/Brazil		188,997
Panama/Canada		35,884

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Panama/Chile		90,000
Panama/Colombia		109,065
Panama/Costa Rica		42,556
Panama/Cuba		32,956
Panama/Dominican Republic		70,628
Panama/Ecuador		53,109
Panama/El Salvador		15,826
Panama/France		58,577*
Panama/Germany		8,449
Panama/Grenada		-
Panama/Guatemala		28,065
Panama/Guyana		4,640
Panama/Haiti		653
Panama/Honduras		14,584
Panama/Jamaica		5,359
Panama/Mexico		117,980
Panama/Netherlands		126,491
Panama/Nicaragua		10,012
Panama/Paraguay		37,136
Panama/Peru		58,073
Panama/Saint Kitts and Nevis		4
Panama/Spain		89,001
Panama/Suriname		3,109
Panama/Trinidad and Tobago		9,081
Panama/Türkiye		146,642
Panama/United Kingdom		645
Panama/United States		439,564
Panama/Uruguay		55,632
Panama/Venezuela (Bolivarian Republic of)		33,455
Papua New Guinea/Australia	29,078	
Papua New Guinea/China		12,616
Papua New Guinea/Indonesia	1,662	
Papua New Guinea/Malaysia	22	
Papua New Guinea/Nauru	53	
Papua New Guinea/Palau	2,029	
Papua New Guinea/Philippines	8,510*	
Papua New Guinea/Singapore	20,224*	
Papua New Guinea/Solomon Islands		2,434
Papua New Guinea/United States	157	
Papua New Guinea/Vanuatu	81	
Paraguay/Argentina		14,017
Paraguay/Bolivia (Plurinational State of)		1,847
Paraguay/Brazil		17,421

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Paraguay/Chile		15,299
Paraguay/Colombia		6,856
Paraguay/Costa Rica		30
Paraguay/Ecuador		171
Paraguay/Germany		225
Paraguay/Malta		50
Paraguay/Panama		35,722
Paraguay/Peru		6,593
Paraguay/Spain		46,539
Paraguay/Suriname		39
Paraguay/Switzerland		-
Paraguay/United Kingdom		-
Paraguay/United States		198
Paraguay/Uruguay		5,074
Peru/Argentina		74,596
Peru/Bolivia (Plurinational State of)		18,485
Peru/Brazil		85,646
Peru/Canada		28,222*
Peru/Chile		126,654
Peru/Colombia		87,018
Peru/Costa Rica		8,332
Peru/Cuba		1,468
Peru/Denmark		46
Peru/Dominican Republic		36,639
Peru/Ecuador		30,710
Peru/El Salvador		242
Peru/France		77,437
Peru/Honduras		1,354
Peru/Jamaica		35
Peru/Mexico		124,189
Peru/Netherlands		102,582
Peru/Panama		58,896
Peru/Paraguay		6,238
Peru/Senegal		148
Peru/Spain		291,425
Peru/United Kingdom		3,505
Peru/United States		472,141
Peru/Uruguay		9,038
Peru/Venezuela (Bolivarian Republic of)		5,883
Philippines/Australia	205,115	
Philippines/Azerbaijan	204	
Philippines/Bahrain		64,808
Philippines/Bangladesh		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Philippines/Brunei Darussalam		6,223
Philippines/Cambodia	5,352	
Philippines/Canada	65*	
Philippines/China		495,460
Philippines/Cyprus	48	
Philippines/France	-	
Philippines/Germany	3,568	
Philippines/Greece	214	
Philippines/India		-
Philippines/Indonesia	49,402	
Philippines/Iran (Islamic Republic of)		-
Philippines/Japan	328,193	
Philippines/Jordan		-
Philippines/Kazakhstan	79	
Philippines/Kuwait		88,155
Philippines/Lao People's Democratic Republic		8
Philippines/Madagascar	51	
Philippines/Malaysia	87,685	
Philippines/Maldives	34	
Philippines/Malta	268	
Philippines/New Zealand	-	
Philippines/Oman	-	
Philippines/Pakistan		76
Philippines/Palau	2,157	
Philippines/Papua New Guinea	8,423*	
Philippines/Qatar	335,430	
Philippines/Republic of Korea	472,890	
Philippines/Saudi Arabia	292,706	
Philippines/Serbia	252	
Philippines/Singapore	279,435	
Philippines/Spain	63	
Philippines/Sri Lanka		124
Philippines/Switzerland	67	
Philippines/Thailand	108,840	
Philippines/Timor-Leste	56	
Philippines/Türkiye	104,093	
Philippines/United Arab Emirates	555,314	
Philippines/United Kingdom	1,312	
Philippines/United States	499,523	
Philippines/Vanuatu	42	
Philippines/Viet Nam		33,317
Poland/Albania	14,603	
Poland/Argentina		66

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Poland/Armenia	8,984	
Poland/Austria	23,943	
Poland/Azerbaijan	7,942	
Poland/Bahrain		253
Poland/Belarus		24
Poland/Belgium	38,025	
Poland/Bosnia and Herzegovina	1,372	
Poland/Brazil		1,752
Poland/Bulgaria	35,639	
Poland/Cabo Verde		6,598
Poland/Canada	75,239	
Poland/China		101,498
Poland/Croatia	20,519	
Poland/Cuba	6,134	
Poland/Cyprus	44,626	
Poland/Czechia	13,949	
Poland/Denmark	35,129	
Poland/Djibouti		48
Poland/Dominican Republic	20,584	
Poland/Egypt		135,545
Poland/Estonia	10,435	
Poland/Finland	20,016	
Poland/France	99,861	
Poland/Gambia	1,104	
Poland/Georgia	34,450	
Poland/Germany	198,971	
Poland/Greece	128,115	
Poland/Honduras	176	
Poland/Hungary	13,688	
Poland/Iceland	24,977	
Poland/India		38,407
Poland/Ireland	60,541	
Poland/Israel	42,318	
Poland/Italy	165,174	
Poland/Japan	46,735	
Poland/Jordan		7,654
Poland/Kazakhstan	8,050	
Poland/Kenya	81	
Poland/Kuwait		1,292
Poland/Latvia	9,510	
Poland/Lebanon		2,450
Poland/Lithuania	11,441	
Poland/Luxembourg	4,000	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Poland/Madagascar	4,898	
Poland/Malaysia	483	
Poland/Maldives	1,266	
Poland/Malta	20,434	
Poland/Mauritius		48
Poland/Mexico	11,851	
Poland/Montenegro	10,238	
Poland/Morocco		8,784
Poland/Netherlands	83,071	
Poland/North Macedonia	3,807	
Poland/Norway	103,484	
Poland/Oman	6,141	
Poland/Philippines	749	
Poland/Portugal	57,030	
Poland/Qatar	36,525	
Poland/Republic of Korea	106,706	
Poland/Republic of Moldova	6,947	
Poland/Romania	14,307	
Poland/Russian Federation		38
Poland/Saudi Arabia	723	
Poland/Serbia	4,923	
Poland/Seychelles		207
Poland/Slovakia	1,452	
Poland/Slovenia	3,487	
Poland/Somalia		32
Poland/Spain	263,935	
Poland/Sudan		40
Poland/Sweden	51,734	
Poland/Switzerland	32,605	
Poland/Thailand	14,650	
Poland/Tunisia		26,680
Poland/Türkiye	170,055	
Poland/Turkmenistan		112
Poland/Ukraine	9	
Poland/United Arab Emirates	98,059	
Poland/United Kingdom	396,784	
Poland/United Republic of Tanzania	3,624	
Poland/United States	278,282	
Poland/Uzbekistan		296
Poland/Venezuela (Bolivarian Republic of)		3,292
Poland/Viet Nam		6,587
Portugal/Albania	23*	
Portugal/Algeria		1,308

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Portugal/Angola		85,598
Portugal/Antigua and Barbuda		115
Portugal/Argentina		595
Portugal/Armenia	41	
Portugal/Austria	35,784	
Portugal/Azerbaijan	-	
Portugal/Bahamas	137	
Portugal/Barbados	26	
Portugal/Belgium	97,996	
Portugal/Bosnia and Herzegovina	48	
Portugal/Brazil		766,256
Portugal/Bulgaria	3,593	
Portugal/Burkina Faso	49	
Portugal/Cabo Verde		71,479
Portugal/Cambodia	244	
Portugal/Canada	179,187	
Portugal/Central African Republic		252
Portugal/Chile		534
Portugal/China		20,978
Portugal/Colombia		1,253
Portugal/Congo		145
Portugal/Croatia	142	
Portugal/Cuba	6,105	
Portugal/Cyprus	324	
Portugal/Czechia	22,153	
Portugal/Denmark	41,183	
Portugal/Dominican Republic	13,311	
Portugal/Ecuador		370
Portugal/Egypt		598
Portugal/Equatorial Guinea	20	
Portugal/Estonia	386	
Portugal/Finland	19,072	
Portugal/France	446,544	
Portugal/Gabon	64	
Portugal/Gambia	1,797	
Portugal/Georgia	39	
Portugal/Germany	355,225	
Portugal/Ghana	7,338	
Portugal/Greece	14,847	
Portugal/Guinea		509
Portugal/Guinea-Bissau		8,688
Portugal/Haiti		283
Portugal/Hungary	17,983	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Portugal/Iceland	4,779	
Portugal/Ireland	100,099	
Portugal/Israel	26,395	
Portugal/Italy	188,881	
Portugal/Jamaica	102	
Portugal/Jordan		119
Portugal/Kenya	-	
Portugal/Kuwait		21
Portugal/Latvia	6,464	
Portugal/Lebanon		14
Portugal/Lithuania	3,840	
Portugal/Luxembourg	55,286	
Portugal/Malaysia	258	
Portugal/Malta	6,598	
Portugal/Mauritius		246
Portugal/Mexico	55,102	
Portugal/Montenegro	53	
Portugal/Morocco		27,009
Portugal/Mozambique		28,947
Portugal/Netherlands	161,278	
Portugal/Nicaragua		167
Portugal/Niger		55
Portugal/Norway	19,268	
Portugal/Pakistan		269
Portugal/Panama		37
Portugal/Poland	52,108	
Portugal/Qatar	32	
Portugal/Republic of Moldova	-	
Portugal/Romania	5,334	
Portugal/Rwanda	2,078	
Portugal/Saint Kitts and Nevis	14	
Portugal/Saint Lucia		15
Portugal/Saint Vincent and the Grenadines	37	
Portugal/Sao Tome and Principe		5,279
Portugal/Saudi Arabia	810	
Portugal/Senegal		13,296
Portugal/Serbia	3,855	
Portugal/Singapore	314	
Portugal/Slovakia	176	
Portugal/Slovenia	339	
Portugal/South Africa		1,104
Portugal/Spain	247,150	
Portugal/Sri Lanka		194

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Portugal/Sweden	24,034	
Portugal/Switzerland	153,606	
Portugal/Thailand	-	
Portugal/Tunisia		4,259
Portugal/Türkiye	39,879	
Portugal/United Arab Emirates	133,634	
Portugal/United Kingdom	594,635	
Portugal/United Republic of Tanzania	1,455	
Portugal/United States	539,093	
Portugal/Venezuela (Bolivarian Republic of)		19,827
Qatar/Afghanistan	-	
Qatar/Albania	-	
Qatar/Algeria		-
Qatar/Angola		-
Qatar/Armenia	-	
Qatar/Australia	244*	
Qatar/Austria	68*	
Qatar/Azerbaijan	8,472	
Qatar/Bahrain		6,111
Qatar/Bangladesh		181,544
Qatar/Belarus		-
Qatar/Belgium	258*	
Qatar/Bosnia and Herzegovina	-	
Qatar/Brazil		-
Qatar/Bulgaria	12,218	
Qatar/Burkina Faso	34*	
Qatar/Burundi		-
Qatar/Cambodia	-	
Qatar/Canada	3,173*	
Qatar/China		603,371
Qatar/Comoros		-
Qatar/Congo		36*
Qatar/Côte d'Ivoire	-	
Qatar/Croatia	-	
Qatar/Cyprus	14,922	
Qatar/Czechia	15*	
Qatar/Democratic Republic of the Congo	31*	
Qatar/Denmark	69,083	
Qatar/Djibouti		40*
Qatar/Egypt		103,512
Qatar/Estonia	-	
Qatar/Ethiopia		9,212*
Qatar/Finland	44,151	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Qatar/France	241,844	
Qatar/Gabon	-	
Qatar/Georgia	30*	
Qatar/Germany	419,987	
Qatar/Ghana	-	
Qatar/Greece	45,302	
Qatar/Hungary	983*	
Qatar/Iceland	-	
Qatar/India		510,424
Qatar/Indonesia	36*	
Qatar/Iran (Islamic Republic of)		-
Qatar/Iraq	38,059	
Qatar/Ireland	79,945	
Qatar/Israel	-	
Qatar/Italy	207,835	
Qatar/Japan	-	
Qatar/Jordan		59,718
Qatar/Kazakhstan	35,867	
Qatar/Kenya	88*	
Qatar/Kuwait		47,680
Qatar/Kyrgyzstan		-
Qatar/Lebanon		75,603
Qatar/Libya		161*
Qatar/Luxembourg	-	
Qatar/Madagascar	-	
Qatar/Malaysia	-	
Qatar/Maldives	30*	
Qatar/Malta	38*	
Qatar/Mauritius		-
Qatar/Mongolia		-
Qatar/Montenegro	20	
Qatar/Morocco		63,481
Qatar/Mozambique		-
Qatar/Myanmar		-
Qatar/Namibia	-	
Qatar/Nepal		23,763*
Qatar/Netherlands	169,667	
Qatar/New Zealand	-	
Qatar/Niger		49
Qatar/Nigeria	45*	
Qatar/Norway	35*	
Qatar/Oman	32,010	
Qatar/Pakistan		178,641

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Qatar/Philippines	-	
Qatar/Poland	39,195	
Qatar/Republic of Korea	217*	
Qatar/Romania	18*	
Qatar/Russian Federation		240*
Qatar/Rwanda	24,877	
Qatar/Saudi Arabia	150,745	
Qatar/Serbia	-	
Qatar/Seychelles		36,140
Qatar/Sierra Leone		51*
Qatar/Singapore	34*	
Qatar/Somalia		-
Qatar/South Africa		-
Qatar/South Sudan	-	
Qatar/Spain	345,345	
Qatar/Sri Lanka		19,870*
Qatar/Sudan		-
Qatar/Sweden	64,203	
Qatar/Switzerland	106,291	
Qatar/Syrian Arab Republic		483
Qatar/Tajikistan		-
Qatar/Thailand	7,997*	
Qatar/Tunisia		-
Qatar/Türkiye	161,166	
Qatar/Turkmenistan		-
Qatar/Uganda	-	
Qatar/United Arab Emirates	71,781	
Qatar/United Kingdom	883,078	
Qatar/United Republic of Tanzania	-	
Qatar/United States	2,049,465	
Qatar/Uzbekistan		539
Qatar/Venezuela (Bolivarian Republic of)		403
Qatar/Viet Nam		1,118*
Qatar/Zambia	-	
Qatar/Zimbabwe	-	
Republic of Korea/Australia	315,553	
Republic of Korea/Austria	184,199	
Republic of Korea/Azerbaijan	87,133	
Republic of Korea/Bangladesh		3,881
Republic of Korea/Belgium	-	
Republic of Korea/Brunei Darussalam		4,560
Republic of Korea/Cambodia	59,040	
Republic of Korea/Canada	308,118	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Republic of Korea/China		1,828,883
Republic of Korea/Cook Islands	176	
Republic of Korea/Croatia	882	
Republic of Korea/Czechia	45,247	
Republic of Korea/Djibouti		433
Republic of Korea/Egypt		3,920
Republic of Korea/Ethiopia		56,270
Republic of Korea/Finland	93,034*	
Republic of Korea/France	359,088	
Republic of Korea/Germany	800,304	
Republic of Korea/Greece	1,721	
Republic of Korea/Hungary	76,722	
Republic of Korea/India		63,549
Republic of Korea/Indonesia	211,204	
Republic of Korea/Israel	26,053	
Republic of Korea/Italy	211,192	
Republic of Korea/Japan	1,002,699	
Republic of Korea/Kazakhstan	141,764	
Republic of Korea/Kenya	203	
Republic of Korea/Kyrgyzstan		2,408
Republic of Korea/Lao People's Democratic Republic		39,178
Republic of Korea/Malaysia	250,066	
Republic of Korea/Maldives	-	
Republic of Korea/Mexico	302	
Republic of Korea/Mongolia		67,152
Republic of Korea/Myanmar		13,656
Republic of Korea/Nepal		28,153
Republic of Korea/Netherlands	274,723	
Republic of Korea/New Zealand	94,840	
Republic of Korea/Norway	5,142	
Republic of Korea/Oman	135*	
Republic of Korea/Palau	338	
Republic of Korea/Philippines	500,867	
Republic of Korea/Poland	57,420	
Republic of Korea/Qatar	430*	
Republic of Korea/Samoa		47
Republic of Korea/Saudi Arabia	647*	
Republic of Korea/Singapore	509,734	
Republic of Korea/Slovenia	60	
Republic of Korea/Spain	127,442	
Republic of Korea/Sri Lanka		15,379
Republic of Korea/Switzerland	29,996	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Republic of Korea/Thailand	747,037	
Republic of Korea/Türkiye	273,487	
Republic of Korea/Turkmenistan		5,371
Republic of Korea/United Arab Emirates	268,010	
Republic of Korea/United Kingdom	261,214	
Republic of Korea/United States	4,123,703	
Republic of Korea/Uzbekistan		83,656
Republic of Korea/Viet Nam		1,356,709
Republic of Moldova/Albania	258	
Republic of Moldova/Armenia	23,490	
Republic of Moldova/Austria	5,037	
Republic of Moldova/Azerbaijan	21*	
Republic of Moldova/Bahrain		-
Republic of Moldova/Belgium	1,847	
Republic of Moldova/Bosnia and Herzegovina	77	
Republic of Moldova/Bulgaria	43	
Republic of Moldova/Croatia	9	
Republic of Moldova/Cyprus	79*	
Republic of Moldova/Czechia	334	
Republic of Moldova/Denmark	51	
Republic of Moldova/Egypt		13,437
Republic of Moldova/Finland	13	
Republic of Moldova/France	6,906	
Republic of Moldova/Georgia	1,238	
Republic of Moldova/Germany	10,714	
Republic of Moldova/Greece	2,566	
Republic of Moldova/Hungary	7	
Republic of Moldova/Iraq	14	
Republic of Moldova/Ireland	6,202*	
Republic of Moldova/Israel	10,179	
Republic of Moldova/Italy	15,872	
Republic of Moldova/Jordan		148
Republic of Moldova/Kyrgyzstan		16
Republic of Moldova/Latvia	5	
Republic of Moldova/Lebanon		8
Republic of Moldova/Montenegro	569	
Republic of Moldova/Netherlands	41*	
Republic of Moldova/North Macedonia	30*	
Republic of Moldova/Norway	10	
Republic of Moldova/Poland	7,012	
Republic of Moldova/Portugal	-	
Republic of Moldova/Romania	3,124	
Republic of Moldova/Serbia	53	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Republic of Moldova/Slovakia	3	
Republic of Moldova/Slovenia	7	
Republic of Moldova/Spain	2,761	
Republic of Moldova/Switzerland	60	
Republic of Moldova/Tunisia		18
Republic of Moldova/Türkiye	36,094	
Republic of Moldova/United Arab Emirates	1,262	
Republic of Moldova/United Kingdom	12,952	
Romania/Albania	799	
Romania/Algeria		33
Romania/Armenia	18	
Romania/Austria	27,996	
Romania/Azerbaijan	163	
Romania/Belgium	46,265	
Romania/Bosnia and Herzegovina	57	
Romania/Bulgaria	2,770	
Romania/Cabo Verde		64
Romania/Canada	276	
Romania/China		594
Romania/Croatia	799	
Romania/Cyprus	12,484	
Romania/Czechia	5,192	
Romania/Denmark	14,935	
Romania/Egypt		26,581
Romania/Estonia	49	
Romania/Finland	587	
Romania/France	100,179	
Romania/Georgia	161	
Romania/Germany	141,543	
Romania/Greece	38,731	
Romania/Hungary	5,909	
Romania/Iceland	373	
Romania/India		34
Romania/Ireland	27,535	
Romania/Israel	35,697	
Romania/Italy	179,508	
Romania/Jordan		4,679
Romania/Kazakhstan	65	
Romania/Kuwait		332
Romania/Latvia	1,557	
Romania/Lebanon		2,802
Romania/Lithuania	168	
Romania/Luxembourg	3,886	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Romania/Maldives	68	
Romania/Malta	5,255	
Romania/Montenegro	3*	
Romania/Morocco		665
Romania/Netherlands	47,425	
Romania/North Macedonia	65	
Romania/Norway	5,972	
Romania/Oman	469*	
Romania/Pakistan		281
Romania/Poland	14,607	
Romania/Portugal	5,920	
Romania/Qatar	-	
Romania/Republic of Korea	298	
Romania/Republic of Moldova	3,177	
Romania/Russian Federation		29
Romania/Saudi Arabia	5,709	
Romania/Serbia	2,609	
Romania/Seychelles		32
Romania/Slovakia	27	
Romania/Slovenia	68	
Romania/Spain	130,469	
Romania/Sudan		15
Romania/Sweden	9,002	
Romania/Switzerland	12,029	
Romania/Thailand	357	
Romania/Tunisia		4,796
Romania/Türkiye	56,786	
Romania/United Arab Emirates	35,446	
Romania/United Kingdom	240,422	
Romania/United Republic of Tanzania	385	
Romania/United States	4,447	
Russian Federation/Afghanistan		1,827
Russian Federation/Algeria		-
Russian Federation/Armenia		144,755
Russian Federation/Austria		7
Russian Federation/Azerbaijan		141,681
Russian Federation/Bahrain		14,932
Russian Federation/Bangladesh		112
Russian Federation/Belarus		19,143*
Russian Federation/Belgium		6,371
Russian Federation/Canada		185
Russian Federation/China		396,321
Russian Federation/Cuba		109,475

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Russian Federation/Egypt		198,569
Russian Federation/Ethiopia		25,572
Russian Federation/France		-
Russian Federation/Georgia		4,961
Russian Federation/Germany		50
Russian Federation/Hungary		33
Russian Federation/Iceland		83
Russian Federation/India		49,593*
Russian Federation/Indonesia		280
Russian Federation/Iran (Islamic Republic of)		5,122*
Russian Federation/Iraq		1,322
Russian Federation/Israel		29,932
Russian Federation/Kazakhstan		116,598
Russian Federation/Kenya		-
Russian Federation/Kuwait		8,622*
Russian Federation/Kyrgyzstan		213,146
Russian Federation/Lao People's Democratic Republic		331
Russian Federation/Libya		36
Russian Federation/Maldives		66,231
Russian Federation/Mauritius		785
Russian Federation/Mongolia		16
Russian Federation/Morocco		44*
Russian Federation/Myanmar		1,220
Russian Federation/Netherlands		1,044
Russian Federation/North Macedonia		24
Russian Federation/Oman		-
Russian Federation/Pakistan		41
Russian Federation/Qatar		202*
Russian Federation/Saudi Arabia		4,764
Russian Federation/Serbia		26,810
Russian Federation/Seychelles		17,811
Russian Federation/South Africa		273
Russian Federation/South Sudan		115
Russian Federation/Sri Lanka		21,780
Russian Federation/Syrian Arab Republic		1,066
Russian Federation/Tajikistan		283,937
Russian Federation/Thailand		341,160
Russian Federation/Tunisia		4,040
Russian Federation/Türkiye		942,985
Russian Federation/Turkmenistan		18,288
Russian Federation/Uganda		-
Russian Federation/United Arab Emirates		592,797

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Russian Federation/United Kingdom		-
Russian Federation/United States		717*
Russian Federation/Uzbekistan		351,682
Russian Federation/Venezuela (Bolivarian Republic of)		16,617
Russian Federation/Viet Nam		2,154*
Rwanda/Angola		47
Rwanda/Azerbaijan	-	
Rwanda/Bahrain		34
Rwanda/Barbados	-	
Rwanda/Belgium	36*	
Rwanda/Benin	16*	
Rwanda/Botswana	12*	
Rwanda/Burundi		941
Rwanda/Cabo Verde		-
Rwanda/Cameroon	11*	
Rwanda/Central African Republic		-
Rwanda/Chad		330
Rwanda/China		261
Rwanda/Comoros		8
Rwanda/Congo		18*
Rwanda/Côte d'Ivoire	19	
Rwanda/Democratic Republic of the Congo	27	
Rwanda/Egypt		178
Rwanda/Ethiopia		13,104
Rwanda/France	11,828	
Rwanda/Gabon	-	
Rwanda/Germany	340	
Rwanda/Ghana	-	
Rwanda/Greece	83	
Rwanda/Guinea		27
Rwanda/Hungary	29	
Rwanda/India		-
Rwanda/Ireland	308	
Rwanda/Israel	23	
Rwanda/Italy	200	
Rwanda/Jordan		235
Rwanda/Kenya	11,939	
Rwanda/Kuwait		21
Rwanda/Madagascar	38	
Rwanda/Malawi		53*
Rwanda/Mauritius		-
Rwanda/Morocco		149

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Rwanda/Mozambique		716
Rwanda/Netherlands	2,406	
Rwanda/Nigeria	24*	
Rwanda/Qatar	12,633	
Rwanda/Sao Tome and Principe		26
Rwanda/Saudi Arabia	64	
Rwanda/Senegal		122
Rwanda/Seychelles		32
Rwanda/South Africa		11,553
Rwanda/South Sudan	11*	
Rwanda/Spain	101	
Rwanda/Sri Lanka		31
Rwanda/Sudan		12
Rwanda/Switzerland	-	
Rwanda/Togo		60
Rwanda/Türkiye	106*	
Rwanda/Uganda	16,289	
Rwanda/United Arab Emirates	21,426	
Rwanda/United Kingdom	35,710	
Rwanda/United Republic of Tanzania	2,568	
Rwanda/United States	56	
Rwanda/Zambia	4,210	
Rwanda/Zimbabwe	4,529	
Saint Kitts and Nevis/Antigua and Barbuda		979
Saint Kitts and Nevis/Bahamas	56	
Saint Kitts and Nevis/Barbados	580	
Saint Kitts and Nevis/Canada	1,428	
Saint Kitts and Nevis/Costa Rica	9	
Saint Kitts and Nevis/Cuba	18	
Saint Kitts and Nevis/Dominica		9
Saint Kitts and Nevis/Dominican Republic	455	
Saint Kitts and Nevis/France	53	
Saint Kitts and Nevis/Grenada	11	
Saint Kitts and Nevis/Haiti		20
Saint Kitts and Nevis/Israel	53	
Saint Kitts and Nevis/Jamaica	25	
Saint Kitts and Nevis/Netherlands	30	
Saint Kitts and Nevis/Panama		4
Saint Kitts and Nevis/Saint Lucia		18
Saint Kitts and Nevis/Saint Vincent and the Grenadines	3	
Saint Kitts and Nevis/United Kingdom	156	
Saint Kitts and Nevis/United States	19,278	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saint Kitts and Nevis/Venezuela (Bolivarian Republic of)		10
Saint Lucia/Antigua and Barbuda		14
Saint Lucia/Bahamas		39
Saint Lucia/Barbados		984
Saint Lucia/Belgium		38
Saint Lucia/Canada		13,610
Saint Lucia/Côte d'Ivoire		34
Saint Lucia/Cuba		6
Saint Lucia/Dominica		395
Saint Lucia/Dominican Republic		112
Saint Lucia/France		12
Saint Lucia/Grenada		2,220
Saint Lucia/Guyana		2,504
Saint Lucia/Jamaica		17
Saint Lucia/Netherlands		29
Saint Lucia/Saint Kitts and Nevis		9*
Saint Lucia/Saint Vincent and the Grenadines		144
Saint Lucia/Switzerland		42
Saint Lucia/Trinidad and Tobago		2,847
Saint Lucia/United Kingdom		69,217
Saint Lucia/United States		58,686
Saint Lucia/Venezuela (Bolivarian Republic of)		6
Saint Vincent and the Grenadines/Antigua and Barbuda		22
Saint Vincent and the Grenadines/Bahamas	73	
Saint Vincent and the Grenadines/Barbados	2,394	
Saint Vincent and the Grenadines/Canada	2,479	
Saint Vincent and the Grenadines/Cuba	134	
Saint Vincent and the Grenadines/Denmark	76	
Saint Vincent and the Grenadines/Dominica		8
Saint Vincent and the Grenadines/Dominican Republic	267	
Saint Vincent and the Grenadines/France	123	
Saint Vincent and the Grenadines/Grenada	268	
Saint Vincent and the Grenadines/Guyana	22	
Saint Vincent and the Grenadines/Italy	330	
Saint Vincent and the Grenadines/Montenegro	37	
Saint Vincent and the Grenadines/Netherlands	53	
Saint Vincent and the Grenadines/Nicaragua		30
Saint Vincent and the Grenadines/Saint Lucia		126
Saint Vincent and the Grenadines/Slovakia	45	
Saint Vincent and the Grenadines/Spain	37	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saint Vincent and the Grenadines/Switzerland	86	
Saint Vincent and the Grenadines/Trinidad and Tobago	39*	
Saint Vincent and the Grenadines/United Kingdom	391	
Saint Vincent and the Grenadines/United States	10,855	
Saint Vincent and the Grenadines/Venezuela (Bolivarian Republic of)		105*
Samoa/Australia		444*
Samoa/China		566
Samoa/Fiji		3,754
Samoa/France		55
Samoa/Kiribati		-
Samoa/New Zealand		-
Samoa/Solomon Islands		-
Samoa/Tonga		-
Samoa/United States		1,592
Sao Tome and Principe/Angola		-
Sao Tome and Principe/Benin		9
Sao Tome and Principe/Cabo Verde		-
Sao Tome and Principe/Côte d'Ivoire		7
Sao Tome and Principe/Equatorial Guinea		2*
Sao Tome and Principe/Ethiopia		53
Sao Tome and Principe/Gabon		758
Sao Tome and Principe/Germany		32
Sao Tome and Principe/Ghana		1,889
Sao Tome and Principe/Guinea-Bissau		12
Sao Tome and Principe/Hungary		103
Sao Tome and Principe/Malta		23
Sao Tome and Principe/Namibia		49
Sao Tome and Principe/Netherlands		41
Sao Tome and Principe/Nigeria		5
Sao Tome and Principe/Portugal		4,937
Sao Tome and Principe/Rwanda		11
Sao Tome and Principe/Senegal		79
Sao Tome and Principe/South Africa		-
Sao Tome and Principe/Togo		4*
Sao Tome and Principe/Türkiye		31
Sao Tome and Principe/United Arab Emirates		45
Sao Tome and Principe/United Kingdom		37
Saudi Arabia/Afghanistan	23,303	
Saudi Arabia/Albania	4,579	
Saudi Arabia/Algeria		154,464

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saudi Arabia/Angola		22
Saudi Arabia/Armenia	36*	
Saudi Arabia/Australia	117	
Saudi Arabia/Austria	25,972	
Saudi Arabia/Azerbaijan	25,045	
Saudi Arabia/Bahrain		85,046
Saudi Arabia/Bangladesh		389,220
Saudi Arabia/Belgium	54,030	
Saudi Arabia/Benin	2,101	
Saudi Arabia/Bosnia and Herzegovina	8,136	
Saudi Arabia/Brazil		-
Saudi Arabia/Brunei Darussalam		12,146
Saudi Arabia/Bulgaria	3,225	
Saudi Arabia/Burkina Faso	-	
Saudi Arabia/Burundi		38
Saudi Arabia/Cabo Verde		-
Saudi Arabia/Cameroon	2,150	
Saudi Arabia/Canada	-	
Saudi Arabia/Central African Republic		1,079
Saudi Arabia/Chad		-
Saudi Arabia/China		289,821
Saudi Arabia/Comoros		-
Saudi Arabia/Congo		745
Saudi Arabia/Côte d'Ivoire	46*	
Saudi Arabia/Croatia	220	
Saudi Arabia/Cyprus	3,029	
Saudi Arabia/Czechia	1,766	
Saudi Arabia/Democratic Republic of the Congo	1,063	
Saudi Arabia/Denmark	51	
Saudi Arabia/Djibouti		549
Saudi Arabia/Egypt		623,486
Saudi Arabia/Equatorial Guinea	39	
Saudi Arabia/Eritrea		165*
Saudi Arabia/Estonia	199	
Saudi Arabia/Ethiopia		68,640
Saudi Arabia/France	108,817	
Saudi Arabia/Gabon	50	
Saudi Arabia/Gambia	1,542	
Saudi Arabia/Georgia	15,809	
Saudi Arabia/Germany	80,562	
Saudi Arabia/Ghana	2,730	
Saudi Arabia/Greece	14,527	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saudi Arabia/Guinea		8,973
Saudi Arabia/Hungary	10,474	
Saudi Arabia/India		652,407
Saudi Arabia/Indonesia	925,208	
Saudi Arabia/Iran (Islamic Republic of)		-
Saudi Arabia/Iraq	36,957	
Saudi Arabia/Ireland	814	
Saudi Arabia/Israel	14*	
Saudi Arabia/Italy	65,061	
Saudi Arabia/Japan	879	
Saudi Arabia/Jordan		95,427
Saudi Arabia/Kazakhstan	5,370	
Saudi Arabia/Kenya	38,960	
Saudi Arabia/Kuwait		124,837
Saudi Arabia/Kyrgyzstan		2,977
Saudi Arabia/Lebanon		55,244
Saudi Arabia/Libya		8,229*
Saudi Arabia/Lithuania	-	
Saudi Arabia/Luxembourg	274	
Saudi Arabia/Malawi		42
Saudi Arabia/Malaysia	360,888	
Saudi Arabia/Maldives	12,527	
Saudi Arabia/Mali	1,729	
Saudi Arabia/Malta	1,305	
Saudi Arabia/Mauritania		38*
Saudi Arabia/Mauritius		19,177
Saudi Arabia/Montenegro	929	
Saudi Arabia/Morocco		139,011
Saudi Arabia/Mozambique		198
Saudi Arabia/Nepal		12,005
Saudi Arabia/Netherlands	92,825	
Saudi Arabia/Niger		3,864*
Saudi Arabia/Nigeria	49,970	
Saudi Arabia/North Macedonia	592	
Saudi Arabia/Norway	48	
Saudi Arabia/Oman	91,332	
Saudi Arabia/Pakistan		701,542
Saudi Arabia/Philippines	-	
Saudi Arabia/Poland	656	
Saudi Arabia/Portugal	496	
Saudi Arabia/Qatar	134,944	
Saudi Arabia/Republic of Korea	33,497	
Saudi Arabia/Republic of Moldova	14	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Saudi Arabia/Romania	5,863	
Saudi Arabia/Russian Federation		4,381
Saudi Arabia/Rwanda	35	
Saudi Arabia/Senegal		47*
Saudi Arabia/Serbia	765	
Saudi Arabia/Seychelles		164
Saudi Arabia/Sierra Leone		603
Saudi Arabia/Singapore	42,435	
Saudi Arabia/Slovakia	99	
Saudi Arabia/Somalia		22*
Saudi Arabia/South Africa		3,194
Saudi Arabia/South Sudan	286	
Saudi Arabia/Spain	37,640	
Saudi Arabia/Sri Lanka		49,526
Saudi Arabia/Sudan		18,174
Saudi Arabia/Sweden	114	
Saudi Arabia/Switzerland	38,007	
Saudi Arabia/Syrian Arab Republic		75
Saudi Arabia/Tajikistan		3,960
Saudi Arabia/Thailand	93,710	
Saudi Arabia/Togo		1,786
Saudi Arabia/Tunisia		50,043
Saudi Arabia/Türkiye	498,210	
Saudi Arabia/Turkmenistan		1,291
Saudi Arabia/Uganda	507	
Saudi Arabia/United Arab Emirates	681,148	
Saudi Arabia/United Kingdom	310,839	
Saudi Arabia/United Republic of Tanzania	6,397	
Saudi Arabia/United States	295,998	
Saudi Arabia/Uzbekistan		50,693
Saudi Arabia/Viet Nam		11,466
Saudi Arabia/Yemen		9,574*
Saudi Arabia/Zambia	34	
Senegal/Algeria		9,276
Senegal/Angola		109
Senegal/Argentina		538
Senegal/Austria		617
Senegal/Barbados		-
Senegal/Belgium		35,273
Senegal/Benin		2,954
Senegal/Brazil		9,673
Senegal/Bulgaria		86
Senegal/Burkina Faso		158

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Senegal/Cabo Verde		4,459
Senegal/Cameroon		72
Senegal/Central African Republic		568
Senegal/Chad		366
Senegal/Congo		21
Senegal/Côte d'Ivoire		19,545
Senegal/Cuba		31*
Senegal/Czechia		470
Senegal/Democratic Republic of the Congo		416*
Senegal/Egypt		301
Senegal/El Salvador		467
Senegal/Ethiopia		675
Senegal/France		96,109
Senegal/Gabon		45
Senegal/Gambia		3,841
Senegal/Germany		4,822
Senegal/Ghana		2,335
Senegal/Greece		-
Senegal/Guatemala		147
Senegal/Guinea		8,560
Senegal/Guinea-Bissau		1,518
Senegal/Hungary		447
Senegal/Israel		289
Senegal/Italy		16,364
Senegal/Kenya		102
Senegal/Lebanon		105
Senegal/Lithuania		49
Senegal/Luxembourg		2,032
Senegal/Mali		17,852
Senegal/Mauritania		3,176
Senegal/Morocco		29,446
Senegal/Mozambique		110
Senegal/Netherlands		153
Senegal/Niger		1,338
Senegal/Nigeria		1,319
Senegal/Peru		139
Senegal/Portugal		12,877
Senegal/Rwanda		62
Senegal/Saint Vincent and the Grenadines		30
Senegal/Saudi Arabia		69*
Senegal/Sierra Leone		92
Senegal/Slovakia		542
Senegal/South Africa		71

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Senegal/Spain		32,111
Senegal/Switzerland		3,600
Senegal/Togo		10,336
Senegal/Tunisia		3,366
Senegal/Türkiye		44,987
Senegal/United Arab Emirates		53,679
Senegal/United Kingdom		1,524
Senegal/United Republic of Tanzania		71
Senegal/United States		38,164
Senegal/Uruguay		126
Senegal/Zimbabwe		29
Serbia/Albania	2,347	
Serbia/Algeria		23
Serbia/Angola		200
Serbia/Armenia	30	
Serbia/Austria	13,385	
Serbia/Azerbaijan	46*	
Serbia/Belgium	4,358	
Serbia/Bosnia and Herzegovina	921	
Serbia/Bulgaria	1,357	
Serbia/Cameroon	48	
Serbia/Canada	41	
Serbia/China		24,627
Serbia/Croatia	3,696	
Serbia/Cyprus	12,060	
Serbia/Czechia	2,195	
Serbia/Denmark	6,369	
Serbia/Egypt		11,398
Serbia/Finland	1,443	
Serbia/France	27,782	
Serbia/Georgia	105	
Serbia/Germany	63,555	
Serbia/Greece	16,501	
Serbia/Hungary	1,371	
Serbia/Iceland	37	
Serbia/Ireland	299	
Serbia/Israel	3,579	
Serbia/Italy	21,273	
Serbia/Jordan		250
Serbia/Kazakhstan	92	
Serbia/Kuwait		501
Serbia/Latvia	605	
Serbia/Lebanon		84

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Serbia/Libya		70
Serbia/Lithuania	76	
Serbia/Luxembourg	404	
Serbia/Maldives	36	
Serbia/Malta	5,741	
Serbia/Montenegro	16,159	
Serbia/Netherlands	20,953	
Serbia/North Macedonia	1,779	
Serbia/Norway	9,512	
Serbia/Oman	144	
Serbia/Philippines	189	
Serbia/Poland	4,804	
Serbia/Portugal	4,323	
Serbia/Qatar	-	
Serbia/Republic of Moldova	19	
Serbia/Romania	2,478	
Serbia/Russian Federation		25,992
Serbia/Saudi Arabia	803	
Serbia/Slovakia	5	
Serbia/Slovenia	2,894	
Serbia/Somalia		30
Serbia/Spain	22,836	
Serbia/Sweden	18,130	
Serbia/Switzerland	24,324	
Serbia/Syrian Arab Republic		21*
Serbia/Tunisia		3,669
Serbia/Türkiye	40,791	
Serbia/United Arab Emirates	37*	
Serbia/United Kingdom	14,772	
Serbia/United Republic of Tanzania	184	
Serbia/United States	52,997	
Seychelles/Azerbaijan		-
Seychelles/Bahrain		20
Seychelles/Botswana		23
Seychelles/China		310
Seychelles/Cyprus		114
Seychelles/Czechia		81
Seychelles/Denmark		40
Seychelles/Djibouti		29
Seychelles/Egypt		123
Seychelles/Estonia		-
Seychelles/Ethiopia		10,268*
Seychelles/Finland		54

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Seychelles/France		1,371
Seychelles/Germany		5,369*
Seychelles/Greece		-
Seychelles/India		2,034
Seychelles/Ireland		38
Seychelles/Israel		4,913
Seychelles/Italy		38
Seychelles/Jordan		47
Seychelles/Kazakhstan		101
Seychelles/Kenya		4,354
Seychelles/Kuwait		33
Seychelles/Madagascar		114
Seychelles/Maldives		136
Seychelles/Malta		-
Seychelles/Mauritius		3,815
Seychelles/Poland		212
Seychelles/Qatar		18*
Seychelles/Russian Federation		17,863
Seychelles/Rwanda		47
Seychelles/Saudi Arabia		200
Seychelles/Singapore		-
Seychelles/South Africa		5,023
Seychelles/Spain		55
Seychelles/Sri Lanka		1,389
Seychelles/Switzerland		6,025
Seychelles/Thailand		123
Seychelles/Türkiye		8,617
Seychelles/United Arab Emirates		69,413
Seychelles/United Kingdom		95
Seychelles/Uzbekistan		193
Seychelles/Zambia		27
Sierra Leone/Algeria		-
Sierra Leone/Belgium		779
Sierra Leone/Benin		17
Sierra Leone/Burkina Faso		2,371
Sierra Leone/Cabo Verde		-
Sierra Leone/Côte d'Ivoire		-
Sierra Leone/Egypt		60
Sierra Leone/Ethiopia		214
Sierra Leone/France		166
Sierra Leone/Gabon		18
Sierra Leone/Gambia		4,244
Sierra Leone/Ghana		9,366

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sierra Leone/Guinea		1,225
Sierra Leone/Italy		88
Sierra Leone/Liberia		3,895
Sierra Leone/Mauritius		54
Sierra Leone/Morocco		17*
Sierra Leone/Nigeria		1,749
Sierra Leone/Qatar		42
Sierra Leone/Saint Vincent and the Grenadines		34
Sierra Leone/Saudi Arabia		370
Sierra Leone/Senegal		167
Sierra Leone/Switzerland		27
Sierra Leone/Togo		16*
Sierra Leone/United Arab Emirates		37
Sierra Leone/United Kingdom		19
Sierra Leone/United States		45
Singapore/Australia	1,706,246	
Singapore/Austria	246*	
Singapore/Azerbaijan	22,131	
Singapore/Bahrain		68,374
Singapore/Bangladesh		50,574
Singapore/Belgium	280	
Singapore/Bhutan		307
Singapore/Brunei Darussalam		13,312
Singapore/Cambodia	32,112	
Singapore/Canada	4,473*	
Singapore/China		1,623,260
Singapore/Denmark	-	
Singapore/Djibouti		-
Singapore/Egypt		-
Singapore/Ethiopia		23,485
Singapore/Fiji		-
Singapore/Finland	93,523	
Singapore/France	390,423	
Singapore/Germany	589,685	
Singapore/Greece	30,844	
Singapore/Hungary	-	
Singapore/India		720,920
Singapore/Indonesia	499,395	
Singapore/Italy	423*	
Singapore/Japan	731,727	
Singapore/Kazakhstan	264	
Singapore/Kenya	-	
Singapore/Kuwait		94

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Singapore/Lao People's Democratic Republic		22*
Singapore/Luxembourg	394	
Singapore/Malaysia	240,313	
Singapore/Maldives	42,813	
Singapore/Mauritius		90
Singapore/Mongolia		131
Singapore/Myanmar		29,218
Singapore/Nepal		78*
Singapore/Netherlands	132,392*	
Singapore/New Zealand	261,286	
Singapore/Oman	233	
Singapore/Palau	153	
Singapore/Papua New Guinea	20,413	
Singapore/Philippines	296,096	
Singapore/Portugal	314	
Singapore/Qatar	154,830	
Singapore/Republic of Korea	533,879	
Singapore/Saudi Arabia	43,596	
Singapore/Seychelles		-
Singapore/South Africa		-
Singapore/Spain	-	
Singapore/Sri Lanka		38,517
Singapore/Switzerland	228,492	
Singapore/Thailand	382,664	
Singapore/Timor-Leste	1,687	
Singapore/Türkiye	185,468	
Singapore/United Arab Emirates	394,828	
Singapore/United Kingdom	1,140,180	
Singapore/United States	836,430	
Singapore/Uzbekistan		383
Singapore/Viet Nam		207,199
Slovakia/Albania	372	
Slovakia/Austria	3,009	
Slovakia/Azerbaijan	-	
Slovakia/Bahrain		831
Slovakia/Barbados	54	
Slovakia/Belgium	1,650	
Slovakia/Bosnia and Herzegovina	8*	
Slovakia/Brazil		44
Slovakia/Bulgaria	4,185	
Slovakia/Cabo Verde		1,459
Slovakia/China		48
Slovakia/Croatia	566	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Slovakia/Cyprus	7,506	
Slovakia/Czechia	2,560	
Slovakia/Denmark	380	
Slovakia/Egypt		8,920
Slovakia/Estonia	6	
Slovakia/Finland	29	
Slovakia/France	1,204	
Slovakia/Georgia	97	
Slovakia/Germany	4,320	
Slovakia/Greece	12,402	
Slovakia/Hungary	96	
Slovakia/Iceland	10	
Slovakia/India		99
Slovakia/Ireland	5,196	
Slovakia/Israel	973	
Slovakia/Italy	8,270	
Slovakia/Jordan		543
Slovakia/Kazakhstan	16	
Slovakia/Latvia	48	
Slovakia/Lithuania	1,208	
Slovakia/Luxembourg	13	
Slovakia/Maldives	158	
Slovakia/Malta	2,657	
Slovakia/Montenegro	13*	
Slovakia/Morocco		35
Slovakia/Netherlands	1,370	
Slovakia/North Macedonia	1,556	
Slovakia/Norway	36	
Slovakia/Oman	2,910	
Slovakia/Poland	1,296	
Slovakia/Portugal	253	
Slovakia/Qatar	24	
Slovakia/Republic of Moldova	8	
Slovakia/Romania	55	
Slovakia/Saint Vincent and the Grenadines	45	
Slovakia/Serbia	15	
Slovakia/Slovenia	4	
Slovakia/Spain	5,356	
Slovakia/Sweden	118	
Slovakia/Switzerland	182	
Slovakia/Tunisia		2,207
Slovakia/Türkiye	18,173	
Slovakia/United Arab Emirates	1,966	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Slovakia/United Kingdom	29,402	
Slovakia/United States	154	
Slovenia/Albania	30	
Slovenia/Austria	503	
Slovenia/Azerbaijan	-	
Slovenia/Belgium	3,160	
Slovenia/Bulgaria	43	
Slovenia/Canada	39	
Slovenia/Croatia	74	
Slovenia/Cyprus	29	
Slovenia/Czechia	52	
Slovenia/Denmark	98	
Slovenia/Egypt		3,414
Slovenia/Finland	1,970	
Slovenia/France	6,860	
Slovenia/Germany	7,962	
Slovenia/Greece	3,388	
Slovenia/Hungary	52	
Slovenia/Iceland	331	
Slovenia/India		42
Slovenia/Ireland	128	
Slovenia/Israel	2,121	
Slovenia/Italy	3,433	
Slovenia/Jordan		-
Slovenia/Kazakhstan	130	
Slovenia/Latvia	17*	
Slovenia/Lithuania	13	
Slovenia/Luxembourg	186	
Slovenia/Malta	296	
Slovenia/Montenegro	1,145	
Slovenia/Morocco		-
Slovenia/Netherlands	1,876	
Slovenia/North Macedonia	358	
Slovenia/Norway	187	
Slovenia/Poland	3,323	
Slovenia/Portugal	392	
Slovenia/Qatar	16	
Slovenia/Republic of Moldova	7	
Slovenia/Romania	26	
Slovenia/Serbia	2,625	
Slovenia/Slovakia	12	
Slovenia/South Africa		-
Slovenia/Spain	865	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Slovenia/Sweden	28	
Slovenia/Switzerland	3,399	
Slovenia/Tunisia		475
Slovenia/Türkiye	11,883	
Slovenia/United Arab Emirates	23*	
Slovenia/United Kingdom	8,733	
Slovenia/United States	267	
Solomon Islands/Australia		6,583
Solomon Islands/Fiji		3,109
Solomon Islands/France		120*
Solomon Islands/Indonesia		49
Solomon Islands/Kiribati		43
Solomon Islands/Lao People's Democratic Republic		37
Solomon Islands/Nauru		505
Solomon Islands/New Zealand		34
Solomon Islands/Palau		75
Solomon Islands/Papua New Guinea		2,624
Solomon Islands/Samoa		-
Solomon Islands/Tonga		-
Solomon Islands/United States		141
Solomon Islands/Vanuatu		825
Somalia/Belgium		37
Somalia/Burundi		25
Somalia/Djibouti		151
Somalia/Egypt		642
Somalia/Ethiopia		16,883
Somalia/France		173
Somalia/India		34
Somalia/Italy		31
Somalia/Kenya		1,467
Somalia/Kuwait		18
Somalia/Nigeria		87
Somalia/Poland		65
Somalia/Qatar		-
Somalia/Saudi Arabia		-
Somalia/South Africa		28
Somalia/South Sudan		-
Somalia/Spain		36
Somalia/Switzerland		69
Somalia/Türkiye		13,135
Somalia/Uganda		3,491
Somalia/United Arab Emirates		16,012

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Somalia/United Kingdom		38
Somalia/United Republic of Tanzania		8*
South Africa/Algeria		5,070
South Africa/Angola		38,782
South Africa/Argentina		407
South Africa/Australia		69,187
South Africa/Austria		97
South Africa/Azerbaijan		-
South Africa/Belgium		14,585
South Africa/Benin		96
South Africa/Botswana		13,071
South Africa/Brazil		9,428
South Africa/Burundi		16*
South Africa/Cabo Verde		344
South Africa/Cameroon		91
South Africa/Chad		245
South Africa/Chile		40
South Africa/China		51,185
South Africa/Colombia		490
South Africa/Comoros		12*
South Africa/Congo		-
South Africa/Côte d'Ivoire		530
South Africa/Cyprus		47
South Africa/Czechia		231
South Africa/Democratic Republic of the Congo		16,093
South Africa/Djibouti		291
South Africa/Egypt		26,327
South Africa/Eritrea		49
South Africa/Eswatini		2,655
South Africa/Ethiopia		139,970
South Africa/France		120,365
South Africa/Gabon		3,748
South Africa/Germany		252,997
South Africa/Ghana		18,160
South Africa/Greece		132
South Africa/Hungary		-
South Africa/India		388
South Africa/Indonesia		177*
South Africa/Israel		14,724
South Africa/Italy		144*
South Africa/Jordan		28
South Africa/Kenya		121,228
South Africa/Lebanon		42

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
South Africa/Lesotho		2,685
South Africa/Libya		152*
South Africa/Luxembourg		1,370
South Africa/Madagascar		6,827
South Africa/Malawi		6,313
South Africa/Malaysia		164*
South Africa/Mali		264
South Africa/Malta		47*
South Africa/Mauritania		33
South Africa/Mauritius		33,329
South Africa/Morocco		377
South Africa/Mozambique		21,868
South Africa/Namibia		41,792
South Africa/Netherlands		210,663
South Africa/Nigeria		20,994
South Africa/Norway		310
South Africa/Portugal		921
South Africa/Qatar		-
South Africa/Rwanda		11,540
South Africa/Sao Tome and Principe		77
South Africa/Saudi Arabia		2,811
South Africa/Senegal		533
South Africa/Serbia		289
South Africa/Seychelles		4,770
South Africa/Sierra Leone		492
South Africa/Singapore		67,394
South Africa/Somalia		28
South Africa/South Sudan		71
South Africa/Spain		1,852
South Africa/Suriname		-
South Africa/Switzerland		107,079
South Africa/Tajikistan		-
South Africa/Thailand		470
South Africa/Togo		83
South Africa/Tunisia		221
South Africa/Türkiye		125,296*
South Africa/Uganda		17,189
South Africa/United Arab Emirates		520,156
South Africa/United Kingdom		547,340
South Africa/United Republic of Tanzania		7,745
South Africa/United States		335,826
South Africa/Zambia		37,808
South Africa/Zimbabwe		50,303

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
South Sudan/Burundi		138
South Sudan/Democratic Republic of the Congo	143	
South Sudan/Djibouti		33
South Sudan/Egypt		3,693
South Sudan/Ethiopia		10,362*
South Sudan/Ghana	358	
South Sudan/India		-
South Sudan/Italy	121	
South Sudan/Kenya	42*	
South Sudan/Lebanon		123
South Sudan/Mongolia		657
South Sudan/Nigeria	60	
South Sudan/Qatar	-	
South Sudan/Russian Federation		121
South Sudan/Rwanda	85*	
South Sudan/Saudi Arabia	182	
South Sudan/South Africa		63
South Sudan/Sudan		29
South Sudan/Türkiye	4,691	
South Sudan/Uganda	2,667	
South Sudan/United Arab Emirates	6,205	
South Sudan/United Republic of Tanzania	28*	
Spain/Albania	8,657	
Spain/Algeria		7,951
Spain/Angola		238*
Spain/Antigua and Barbuda		190
Spain/Argentina		447,423
Spain/Armenia	1,564	
Spain/Austria	179,804	
Spain/Azerbaijan	-	
Spain/Bahamas	736	
Spain/Bahrain		4,624
Spain/Bangladesh		341
Spain/Barbados	159	
Spain/Belgium	374,921	
Spain/Belize	286	
Spain/Benin	175	
Spain/Bolivia (Plurinational State of)		76,331
Spain/Bosnia and Herzegovina	74	
Spain/Botswana	124	
Spain/Brazil		319,523
Spain/Bulgaria	36,600	
Spain/Burkina Faso	27	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain/Cabo Verde		7,697
Spain/Cameroon	387	
Spain/Canada	157,276	
Spain/Central African Republic		-
Spain/Chile		231,032
Spain/China		276,047
Spain/Colombia		584,544
Spain/Costa Rica	94,029	
Spain/Côte d'Ivoire	149	
Spain/Croatia	16,974	
Spain/Cuba	161,805	
Spain/Cyprus	1,759	
Spain/Czechia	85,665	
Spain/Democratic Republic of the Congo	219	
Spain/Denmark	256,809	
Spain/Dominican Republic	197,669	
Spain/Ecuador		134,651
Spain/Egypt		55,466
Spain/El Salvador	18,052	
Spain/Equatorial Guinea	3,704*	
Spain/Estonia	8,226	
Spain/Ethiopia		42
Spain/Finland	158,094	
Spain/France	766,410	
Spain/Gabon	113	
Spain/Gambia	5,312	
Spain/Georgia	7,681	
Spain/Germany	1,770,625	
Spain/Ghana	213	
Spain/Greece	71,602	
Spain/Guatemala	70,340	
Spain/Guinea		36
Spain/Guinea-Bissau		38
Spain/Guyana	-	
Spain/Honduras	38,941	
Spain/Hungary	65,708	
Spain/Iceland	55,144	
Spain/India		148
Spain/Ireland	365,867	
Spain/Israel	100,716	
Spain/Italy	825,520	
Spain/Japan	1,295	
Spain/Jordan		23,290

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain/Kazakhstan	17,826	
Spain/Kenya	237	
Spain/Kuwait		13,983
Spain/Kyrgyzstan		48
Spain/Latvia	23,372	
Spain/Lebanon		7,837
Spain/Libya		60
Spain/Lithuania	30,814	
Spain/Luxembourg	55,413	
Spain/Maldives	456	
Spain/Mali	796	
Spain/Malta	18,760	
Spain/Mauritania		3,929
Spain/Mauritius		3,269
Spain/Mexico	768,975	
Spain/Mongolia		44*
Spain/Montenegro	2,109	
Spain/Morocco		145,672
Spain/Namibia	41	
Spain/Netherlands	565,716	
Spain/Niger		100
Spain/Nigeria	383	
Spain/North Macedonia	53	
Spain/Norway	262,959	
Spain/Oman	269	
Spain/Pakistan		452
Spain/Panama		98,918
Spain/Paraguay		52,446
Spain/Peru		298,595
Spain/Philippines	485	
Spain/Poland	244,350	
Spain/Portugal	272,495	
Spain/Qatar	228,660	
Spain/Republic of Korea	138,723	
Spain/Republic of Moldova	2,789	
Spain/Romania	121,182	
Spain/Rwanda	68	
Spain/Saint Vincent and the Grenadines	-	
Spain/Sao Tome and Principe		25
Spain/Saudi Arabia	46,929	
Spain/Senegal		33,075
Spain/Serbia	21,539	
Spain/Sierra Leone		50

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Spain/Singapore	3,922	
Spain/Slovakia	5,206	
Spain/Slovenia	929	
Spain/South Africa		701
Spain/Sri Lanka		46
Spain/Sweden	281,359	
Spain/Switzerland	279,527	
Spain/Thailand	722	
Spain/Trinidad and Tobago	504	
Spain/Tunisia		5,560
Spain/Türkiye	189,396	
Spain/United Arab Emirates	300,945	
Spain/United Kingdom	2,789,744	
Spain/United Republic of Tanzania	200	
Spain/United States	1,596,686	
Spain/Uruguay	120,199	
Spain/Uzbekistan		585
Spain/Venezuela (Bolivarian Republic of)		95,792
Spain/Viet Nam		409
Spain/Zimbabwe	93	
Sri Lanka/Angola		-
Sri Lanka/Australia		94,660
Sri Lanka/Bahrain		212
Sri Lanka/Bangladesh		15,541
Sri Lanka/China		55,055
Sri Lanka/Czechia		1,577
Sri Lanka/Democratic Republic of the Congo		-
Sri Lanka/Djibouti		117
Sri Lanka/Ethiopia		375
Sri Lanka/France		39,977
Sri Lanka/Germany		13,875
Sri Lanka/India		86,550
Sri Lanka/Indonesia		17,808
Sri Lanka/Israel		147
Sri Lanka/Italy		89
Sri Lanka/Japan		28,300
Sri Lanka/Jordan		30
Sri Lanka/Kazakhstan		-
Sri Lanka/Kenya		222*
Sri Lanka/Kuwait		36,565
Sri Lanka/Lao People's Democratic Republic		29
Sri Lanka/Malaysia		39,689
Sri Lanka/Maldives		57,467

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sri Lanka/Mozambique		-
Sri Lanka/Nepal		6,826
Sri Lanka/New Zealand		303
Sri Lanka/Oman		17,332
Sri Lanka/Pakistan		16,385
Sri Lanka/Philippines		-
Sri Lanka/Qatar		22,137*
Sri Lanka/Republic of Korea		14,413
Sri Lanka/Russian Federation		21,977
Sri Lanka/Saudi Arabia		55,337
Sri Lanka/Seychelles		1,260
Sri Lanka/Singapore		39,734
Sri Lanka/South Africa		542*
Sri Lanka/Spain		392
Sri Lanka/Switzerland		-
Sri Lanka/Thailand		18,765
Sri Lanka/Türkiye		14,968
Sri Lanka/United Arab Emirates		176,924
Sri Lanka/United Kingdom		90,126
Sri Lanka/Uzbekistan		188
Sri Lanka/Zimbabwe		611
Sudan/Algeria		-
Sudan/Bahrain		18
Sudan/Djibouti		-
Sudan/Egypt		18,809
Sudan/Eritrea		73
Sudan/Ethiopia		3,844
Sudan/Guinea-Bissau		-
Sudan/Hungary		118
Sudan/Ireland		-
Sudan/Kenya		2,580
Sudan/Libya		49
Sudan/Morocco		30
Sudan/Oman		-
Sudan/Qatar		-
Sudan/Saudi Arabia		14,663
Sudan/Slovakia		41
Sudan/Tunisia		-
Sudan/Türkiye		3,568
Sudan/Uganda		71*
Sudan/United Arab Emirates		15,709
Sudan/United Republic of Tanzania		27
Suriname/Antigua and Barbuda		8

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Suriname/Barbados	63	
Suriname/Belgium	42	
Suriname/Brazil		2,063
Suriname/Chile		255
Suriname/Colombia		6
Suriname/Costa Rica	16	
Suriname/Cuba	1,987	
Suriname/Dominica		12
Suriname/Dominican Republic	87	
Suriname/France	131*	
Suriname/Grenada	22	
Suriname/Guyana	1,310	
Suriname/Haiti		46
Suriname/Ireland	195	
Suriname/Mexico	45	
Suriname/Netherlands	82,611	
Suriname/Oman	1,025	
Suriname/Panama		2,999
Suriname/Peru		47
Suriname/Trinidad and Tobago	35*	
Suriname/United Kingdom	14	
Suriname/United States	11,542	
Suriname/Venezuela (Bolivarian Republic of)		107
Sweden/Albania	3,396	
Sweden/Austria	27,231	
Sweden/Azerbaijan	602	
Sweden/Bahamas	36	
Sweden/Barbados	37	
Sweden/Belgium	32,352	
Sweden/Bosnia and Herzegovina	9,813	
Sweden/Brazil		44
Sweden/Bulgaria	4,716	
Sweden/Cabo Verde		5,968
Sweden/Canada	7,251	
Sweden/China		20,224
Sweden/Croatia	20,289	
Sweden/Cyprus	21,983	
Sweden/Czechia	7,925	
Sweden/Democratic Republic of the Congo	333	
Sweden/Denmark	51,322	
Sweden/Dominican Republic	789	
Sweden/Egypt		6,139
Sweden/Eritrea		144

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sweden/Estonia	5,986	
Sweden/Ethiopia		46,811
Sweden/Finland	41,240	
Sweden/France	76,674	
Sweden/Georgia	162	
Sweden/Germany	141,446	
Sweden/Greece	82,937	
Sweden/Hungary	10,879	
Sweden/Iceland	15,456	
Sweden/India		544
Sweden/Iraq	164	
Sweden/Ireland	11,821	
Sweden/Israel	2,897	
Sweden/Italy	56,172	
Sweden/Jordan		-
Sweden/Kazakhstan	49	
Sweden/Kenya	45	
Sweden/Latvia	8,957	
Sweden/Lebanon		3,920
Sweden/Lithuania	6,076	
Sweden/Luxembourg	1,635	
Sweden/Malaysia	-	
Sweden/Maldives	218	
Sweden/Malta	3,075	
Sweden/Mexico	4,638	
Sweden/Mongolia		-
Sweden/Montenegro	261	
Sweden/Morocco		1,871
Sweden/Netherlands	59,899	
Sweden/North Macedonia	10,945	
Sweden/Norway	50,505	
Sweden/Poland	48,656	
Sweden/Portugal	25,706	
Sweden/Qatar	41,050*	
Sweden/Republic of Korea	14,050	
Sweden/Republic of Moldova	6	
Sweden/Romania	8,203	
Sweden/Rwanda	64	
Sweden/Saudi Arabia	58	
Sweden/Serbia	17,149	
Sweden/Seychelles		47
Sweden/Slovakia	107	
Sweden/Slovenia	13	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Sweden/Spain	282,807	
Sweden/Sri Lanka		54
Sweden/Switzerland	37,392	
Sweden/Thailand	98,753	
Sweden/Tunisia		593
Sweden/Türkiye	87,487	
Sweden/United Arab Emirates	54,923	
Sweden/United Kingdom	131,988	
Sweden/United States	146,062	
Sweden/Uzbekistan		73
Switzerland/Albania	3,702	
Switzerland/Algeria		3,083
Switzerland/Angola		28
Switzerland/Antigua and Barbuda		163
Switzerland/Armenia	142	
Switzerland/Austria	32,710	
Switzerland/Azerbaijan	2,467	
Switzerland/Bahamas	308	
Switzerland/Bahrain		308
Switzerland/Bangladesh		43
Switzerland/Barbados	303	
Switzerland/Belgium	27,274	
Switzerland/Benin	43	
Switzerland/Bosnia and Herzegovina	1,534	
Switzerland/Botswana	84	
Switzerland/Brazil		111,616
Switzerland/Bulgaria	6,134	
Switzerland/Cabo Verde		2,803
Switzerland/Cameroon	22*	
Switzerland/Canada	186,351	
Switzerland/Central African Republic		28
Switzerland/China		176,149
Switzerland/Colombia		-
Switzerland/Congo		-
Switzerland/Costa Rica	39,078	
Switzerland/Côte d'Ivoire	19*	
Switzerland/Croatia	10,347	
Switzerland/Cuba	48*	
Switzerland/Cyprus	17,683	
Switzerland/Czechia	12,302	
Switzerland/Democratic Republic of the Congo	291	
Switzerland/Denmark	31,401	
Switzerland/Dominican Republic	43*	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Switzerland/Egypt		56,293
Switzerland/Estonia	2,911	
Switzerland/Ethiopia		28,403
Switzerland/Finland	23,461	
Switzerland/France	98,876	
Switzerland/Gabon	79	
Switzerland/Gambia	71	
Switzerland/Georgia	217	
Switzerland/Germany	143,479	
Switzerland/Ghana	72	
Switzerland/Greece	94,884	
Switzerland/Grenada	43	
Switzerland/Guinea		27
Switzerland/Hungary	12,021	
Switzerland/Iceland	16,383	
Switzerland/India		100,998
Switzerland/Indonesia	120	
Switzerland/Iraq	114	
Switzerland/Ireland	27,897	
Switzerland/Israel	35,792	
Switzerland/Italy	106,078	
Switzerland/Japan	84,635	
Switzerland/Jordan		7,112
Switzerland/Kazakhstan	610	
Switzerland/Kenya	99	
Switzerland/Kuwait		8,668
Switzerland/Kyrgyzstan		49
Switzerland/Latvia	463	
Switzerland/Lebanon		8,509
Switzerland/Lithuania	2,409	
Switzerland/Luxembourg	5,972	
Switzerland/Malawi		96
Switzerland/Malaysia	369	
Switzerland/Maldives	19,226	
Switzerland/Malta	10,145	
Switzerland/Mauritius		20,329
Switzerland/Mexico	-	
Switzerland/Montenegro	1,750	
Switzerland/Morocco		28,422
Switzerland/Namibia	40	
Switzerland/Netherlands	54,698	
Switzerland/Niger		14
Switzerland/Nigeria	126	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Switzerland/North Macedonia	11,627	
Switzerland/Norway	18,902	
Switzerland/Oman	25,129	
Switzerland/Pakistan		33
Switzerland/Panama		52
Switzerland/Poland	30,441	
Switzerland/Portugal	161,755	
Switzerland/Qatar	92,706	
Switzerland/Republic of Korea	37,136	
Switzerland/Republic of Moldova	46	
Switzerland/Romania	10,685	
Switzerland/Rwanda	32	
Switzerland/Saint Vincent and the Grenadines	173	
Switzerland/Saudi Arabia	34,349	
Switzerland/Senegal		162
Switzerland/Serbia	22,217	
Switzerland/Seychelles		5,723
Switzerland/Singapore	211,202	
Switzerland/Slovakia	170	
Switzerland/Slovenia	3,207	
Switzerland/Somalia		34
Switzerland/South Africa		107,696
Switzerland/Spain	276,708	
Switzerland/Sri Lanka		-
Switzerland/Sweden	37,476	
Switzerland/Tajikistan		491
Switzerland/Thailand	197,076	
Switzerland/Togo		21
Switzerland/Tunisia		10,478
Switzerland/Türkiye	139,013	
Switzerland/United Arab Emirates	317,316	
Switzerland/United Kingdom	244,785	
Switzerland/United Republic of Tanzania	10,690	
Switzerland/United States	1,146,711	
Switzerland/Uzbekistan		1,399
Switzerland/Venezuela (Bolivarian Republic of)		273
Switzerland/Zambia	40	
Switzerland/Zimbabwe	34	
Syrian Arab Republic/Algeria		-
Syrian Arab Republic/China		100
Syrian Arab Republic/Egypt		9*
Syrian Arab Republic/Iran (Islamic Republic of)		6,379
Syrian Arab Republic/Iraq		13,811

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Syrian Arab Republic/Jordan		-
Syrian Arab Republic/Kuwait		5,241
Syrian Arab Republic/Lebanon		189
Syrian Arab Republic/Libya		329
Syrian Arab Republic/Oman		643
Syrian Arab Republic/Pakistan		1,947
Syrian Arab Republic/Qatar		403
Syrian Arab Republic/Russian Federation		1,061
Syrian Arab Republic/Saudi Arabia		62
Syrian Arab Republic/Serbia		41
Syrian Arab Republic/Türkiye		-
Syrian Arab Republic/United Arab Emirates		22,361
Syrian Arab Republic/Uzbekistan		60
Syrian Arab Republic/Venezuela (Bolivarian Republic of)		1,988
Tajikistan/Azerbaijan		12*
Tajikistan/Bahrain		25
Tajikistan/China		3,264
Tajikistan/Georgia		11
Tajikistan/Germany		336
Tajikistan/India		1,034
Tajikistan/Iran (Islamic Republic of)		5,214
Tajikistan/Kazakhstan		2,955
Tajikistan/Kenya		-
Tajikistan/Kuwait		2,075
Tajikistan/Kyrgyzstan		32*
Tajikistan/Oman		-
Tajikistan/Pakistan		23*
Tajikistan/Qatar		177
Tajikistan/Russian Federation		282,856
Tajikistan/Saudi Arabia		4,017
Tajikistan/South Africa		-
Tajikistan/Switzerland		618
Tajikistan/Türkiye		19,992
Tajikistan/Turkmenistan		153
Tajikistan/United Arab Emirates		8,899
Tajikistan/United Kingdom		-
Tajikistan/United States		315
Tajikistan/Uzbekistan		1,365
Thailand/Armenia	-	
Thailand/Australia	356,064	
Thailand/Austria	125,432	
Thailand/Azerbaijan	1,278	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Thailand/Bahrain		54,584
Thailand/Bangladesh		45,169
Thailand/Belgium	212	
Thailand/Bhutan		3,741
Thailand/Brunei Darussalam		3,655
Thailand/Bulgaria	3,510	
Thailand/Cambodia	50,715	
Thailand/Canada	15,220	
Thailand/China		1,519,545
Thailand/Cyprus	181	
Thailand/Czechia	5,367	
Thailand/Denmark	128,141	
Thailand/Djibouti		283
Thailand/Egypt		26,096
Thailand/Ethiopia		51,889
Thailand/Fiji		277
Thailand/Finland	136,029	
Thailand/France	192,391	
Thailand/Georgia	43	
Thailand/Germany	411,722	
Thailand/Greece	568	
Thailand/Hungary	272	
Thailand/India		466,072
Thailand/Indonesia	190,209	
Thailand/Iran (Islamic Republic of)		-
Thailand/Israel	99,028	
Thailand/Italy	171	
Thailand/Japan	804,133	
Thailand/Jordan		23,600
Thailand/Kazakhstan	58,286	
Thailand/Kenya	-	
Thailand/Kuwait		55,165
Thailand/Lao People's Democratic Republic		18,231
Thailand/Luxembourg	2,859	
Thailand/Malaysia	225,193	
Thailand/Maldives	17,187	
Thailand/Malta	57	
Thailand/Mongolia		4,422
Thailand/Myanmar		39,356
Thailand/Nepal		10,963
Thailand/Netherlands	156,169	
Thailand/New Zealand	168*	
Thailand/Norway	6,331	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Thailand/Oman	123,146	
Thailand/Pakistan		61,362
Thailand/Philippines	114,407	
Thailand/Poland	17,321	
Thailand/Qatar	-	
Thailand/Republic of Korea	700,359	
Thailand/Romania	90	
Thailand/Russian Federation		340,227
Thailand/Saudi Arabia	146,885	
Thailand/Seychelles		-
Thailand/Singapore	321,549	
Thailand/South Africa		-
Thailand/Sri Lanka		18,476
Thailand/Sweden	113,372	
Thailand/Switzerland	233,766	
Thailand/Türkiye	196,200	
Thailand/Turkmenistan		634
Thailand/United Arab Emirates	683,354	
Thailand/United Kingdom	353,917	
Thailand/United States	4,043	
Thailand/Uzbekistan		3,960
Thailand/Viet Nam		185,655
Timor-Leste/Australia	-	
Timor-Leste/Brunei Darussalam		-
Timor-Leste/Cambodia	-	
Timor-Leste/Indonesia	4,807	
Timor-Leste/Malaysia	12*	
Timor-Leste/Singapore	1,555	
Togo/Algeria		32
Togo/Angola		-
Togo/Austria		16
Togo/Belgium		3,175
Togo/Benin		1,796
Togo/Brazil		585
Togo/Burkina Faso		3,546
Togo/Cameroon		6,183
Togo/Canada		220
Togo/Central African Republic		21*
Togo/Congo		134
Togo/Côte d'Ivoire		4,872
Togo/Democratic Republic of the Congo		7,232
Togo/Egypt		38
Togo/Equatorial Guinea		33*

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Togo/Ethiopia		38,171
Togo/France		25,167
Togo/Gabon		2,800
Togo/Germany		213
Togo/Ghana		5,042
Togo/Guinea		8*
Togo/Guinea-Bissau		52*
Togo/Italy		144
Togo/Kenya		24*
Togo/Liberia		44*
Togo/Luxembourg		30
Togo/Mali		5,361
Togo/Malta		101
Togo/Morocco		4,124
Togo/Namibia		123
Togo/Netherlands		24
Togo/Niger		3,084
Togo/Nigeria		6,995
Togo/Qatar		-
Togo/Rwanda		33
Togo/Sao Tome and Principe		5*
Togo/Saudi Arabia		1,592
Togo/Senegal		10,705
Togo/Sierra Leone		17*
Togo/South Africa		23
Togo/Spain		12
Togo/Tunisia		34
Togo/Türkiye		395
Togo/Uganda		66
Togo/United Arab Emirates		374
Togo/United Kingdom		25
Togo/United States		74,742
Togo/Zambia		34
Togo/Zimbabwe		194
Tonga/Australia	-	
Tonga/Fiji		2,515
Tonga/New Zealand	-	
Tonga/Republic of Korea	89	
Tonga/Samoa		-
Tonga/Solomon Islands		-
Trinidad and Tobago/Antigua and Barbuda		1,391
Trinidad and Tobago/Bahamas	194	
Trinidad and Tobago/Barbados	4,769	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Trinidad and Tobago/Brazil		232*
Trinidad and Tobago/Canada	64*	
Trinidad and Tobago/Chile		195
Trinidad and Tobago/Colombia		167
Trinidad and Tobago/Cuba	-	
Trinidad and Tobago/Dominica		7*
Trinidad and Tobago/Dominican Republic	922	
Trinidad and Tobago/Ecuador		80
Trinidad and Tobago/Egypt		54
Trinidad and Tobago/France	-	
Trinidad and Tobago/Germany	2,652	
Trinidad and Tobago/Ghana	42	
Trinidad and Tobago/Grenada	29*	
Trinidad and Tobago/Guyana	7,677	
Trinidad and Tobago/Haiti		13
Trinidad and Tobago/Jamaica	8*	
Trinidad and Tobago/Mexico	-	
Trinidad and Tobago/Netherlands	28,504	
Trinidad and Tobago/Panama		9,855
Trinidad and Tobago/Saint Kitts and Nevis	-	
Trinidad and Tobago/Saint Lucia		3,136
Trinidad and Tobago/Saint Vincent and the Grenadines	696	
Trinidad and Tobago/Suriname	1,105	
Trinidad and Tobago/United Kingdom	20,106*	
Trinidad and Tobago/United States	99,506	
Trinidad and Tobago/Venezuela (Bolivarian Republic of)		-
Tunisia/Algeria		13,039
Tunisia/Angola		55
Tunisia/Armenia		961
Tunisia/Austria		3,124
Tunisia/Azerbaijan		-
Tunisia/Belgium		22,595
Tunisia/Bosnia and Herzegovina		641
Tunisia/Bulgaria		3,699
Tunisia/Burkina Faso		2,053
Tunisia/Cameroon		126
Tunisia/Canada		19,912
Tunisia/Central African Republic		74
Tunisia/Chad		26
Tunisia/Côte d'Ivoire		6,431
Tunisia/Croatia		146

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Tunisia/Czechia		17,321
Tunisia/Democratic Republic of the Congo		40
Tunisia/Denmark		347
Tunisia/Egypt		11,196
Tunisia/Estonia		733
Tunisia/Ethiopia		84
Tunisia/France		251,554
Tunisia/Gambia		88
Tunisia/Georgia		14
Tunisia/Germany		65,038
Tunisia/Greece		1,026
Tunisia/Guinea		3,347
Tunisia/Guinea-Bissau		-
Tunisia/Hungary		305
Tunisia/India		-
Tunisia/Iraq		519
Tunisia/Italy		20,693
Tunisia/Jordan		-
Tunisia/Latvia		147
Tunisia/Libya		20,503
Tunisia/Lithuania		2,551
Tunisia/Luxembourg		7,128
Tunisia/Mali		3,014
Tunisia/Malta		65
Tunisia/Marshall Islands		5,275
Tunisia/Mauritania		7,469
Tunisia/Montenegro		12
Tunisia/Morocco		24,275
Tunisia/Netherlands		1,376
Tunisia/Niger		2,011
Tunisia/Nigeria		276
Tunisia/North Macedonia		661
Tunisia/Oman		-
Tunisia/Poland		27,270
Tunisia/Portugal		4,432
Tunisia/Qatar		-
Tunisia/Romania		4,651
Tunisia/Russian Federation		3,748
Tunisia/Saudi Arabia		47,480
Tunisia/Senegal		3,699
Tunisia/Serbia		3,520
Tunisia/Slovakia		2,332
Tunisia/Slovenia		654

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Tunisia/Spain		5,664
Tunisia/Sweden		545
Tunisia/Switzerland		10,780
Tunisia/Türkiye		36,552
Tunisia/Uganda		249
Tunisia/United Arab Emirates		42,133
Tunisia/United Kingdom		33,424
Tunisia/United States		44
Türkiye/Afghanistan	10,232	
Türkiye/Albania	19,519	
Türkiye/Algeria		114,909
Türkiye/Angola		8,783
Türkiye/Armenia	7,036	
Türkiye/Austria	99,653	
Türkiye/Azerbaijan	133,138	
Türkiye/Bahrain		59,185
Türkiye/Bangladesh		57,188
Türkiye/Barbados	103	
Türkiye/Belarus		188*
Türkiye/Belgium	150,218	
Türkiye/Benin	10,333	
Türkiye/Bosnia and Herzegovina	24,489	
Türkiye/Brazil		108,003
Türkiye/Bulgaria	20,317	
Türkiye/Burkina Faso	16,673	
Türkiye/Cabo Verde		-
Türkiye/Cambodia	389	
Türkiye/Cameroon	21,010	
Türkiye/Canada	175,547	
Türkiye/Central African Republic		64
Türkiye/Chad		6,270
Türkiye/China		415,080
Türkiye/Colombia		123,789
Türkiye/Comoros		-
Türkiye/Congo		442*
Türkiye/Côte d'Ivoire	13,040	
Türkiye/Croatia	15,054	
Türkiye/Cuba	34,861	
Türkiye/Cyprus	5,769	
Türkiye/Czechia	77,869	
Türkiye/Democratic Republic of the Congo	36,629	
Türkiye/Denmark	107,143	
Türkiye/Djibouti		5,940

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye/Dominican Republic	459	
Türkiye/Egypt		103,317
Türkiye/Eritrea		5,321
Türkiye/Estonia	22,921	
Türkiye/Ethiopia		43,230
Türkiye/Finland	50,446	
Türkiye/France	367,933	
Türkiye/Gabon	13,108	
Türkiye/Gambia	10,118	
Türkiye/Georgia	63,141	
Türkiye/Germany	1,659,034	
Türkiye/Ghana	24,917	
Türkiye/Greece	39,848	
Türkiye/Guinea-Bissau		27
Türkiye/Haiti		477
Türkiye/Hungary	42,702	
Türkiye/Iceland	619	
Türkiye/India		231,606
Türkiye/Indonesia	164,361	
Türkiye/Iran (Islamic Republic of)		359,463
Türkiye/Iraq	130,343	
Türkiye/Ireland	56,886	
Türkiye/Israel	127,844	
Türkiye/Italy	194,362	
Türkiye/Japan	132,814	
Türkiye/Jordan		75,772
Türkiye/Kazakhstan	340,825	
Türkiye/Kenya	32,494	
Türkiye/Kuwait		141,850
Türkiye/Kyrgyzstan		97,992
Türkiye/Latvia	22,655	
Türkiye/Lebanon		63,590
Türkiye/Libya		29,622
Türkiye/Lithuania	49,461	
Türkiye/Luxembourg	13,671	
Türkiye/Madagascar	2,939	
Türkiye/Malawi		-
Türkiye/Malaysia	134,148	
Türkiye/Maldives	54,662	
Türkiye/Mali	16,878	
Türkiye/Malta	12,671	
Türkiye/Marshall Islands	871	
Türkiye/Mauritania		15,273

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye/Mauritius		42,641
Türkiye/Mexico	153,896	
Türkiye/Mongolia		41,223
Türkiye/Montenegro	17,749	
Türkiye/Morocco		111,540
Türkiye/Mozambique		58
Türkiye/Nepal		19,583
Türkiye/Netherlands	237,516	
Türkiye/Niger		3,420
Türkiye/Nigeria	78,075	
Türkiye/North Macedonia	16,497	
Türkiye/Norway	60,015	
Türkiye/Oman	61,501	
Türkiye/Pakistan		129,856
Türkiye/Panama		39,197
Türkiye/Philippines	89,453	
Türkiye/Poland	177,064	
Türkiye/Portugal	42,862	
Türkiye/Qatar	155,225	
Türkiye/Republic of Korea	220,733	
Türkiye/Republic of Moldova	36,496	
Türkiye/Romania	56,554	
Türkiye/Russian Federation		938,537
Türkiye/Rwanda	25,318	
Türkiye/Saudi Arabia	479,271	
Türkiye/Senegal		61,265
Türkiye/Serbia	43,336	
Türkiye/Seychelles		8,483
Türkiye/Singapore	175,924	
Türkiye/Slovakia	20,126	
Türkiye/Slovenia	12,714	
Türkiye/Somalia		13,130
Türkiye/South Africa		143,506
Türkiye/South Sudan	4,751	
Türkiye/Spain	213,561	
Türkiye/Sudan		4,469*
Türkiye/Sweden	88,869	
Türkiye/Switzerland	149,999	
Türkiye/Tajikistan		17,495
Türkiye/Thailand	182,566	
Türkiye/Togo		525
Türkiye/Tunisia		37,820
Türkiye/Turkmenistan		26,414

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Türkiye/Uganda	1,267	
Türkiye/Ukraine	215	
Türkiye/United Arab Emirates	436,106	
Türkiye/United Kingdom	1,036,956	
Türkiye/United Republic of Tanzania	36,636	
Türkiye/United States	1,650,130	
Türkiye/Uzbekistan		191,923
Türkiye/Venezuela (Bolivarian Republic of)		43,350*
Türkiye/Viet Nam		65,127
Türkiye/Zimbabwe	124	
Turkmenistan/Austria		11,851
Turkmenistan/Azerbaijan		41*
Turkmenistan/Belarus		-
Turkmenistan/Belgium		1,595
Turkmenistan/China		95,162
Turkmenistan/Finland		73
Turkmenistan/France		305
Turkmenistan/Georgia		7
Turkmenistan/Germany		12,225
Turkmenistan/Hungary		13,245
Turkmenistan/India		1,814
Turkmenistan/Iran (Islamic Republic of)		98*
Turkmenistan/Iraq		-
Turkmenistan/Italy		7,325
Turkmenistan/Japan		49,931
Turkmenistan/Jordan		16
Turkmenistan/Kazakhstan		36*
Turkmenistan/Kuwait		-
Turkmenistan/Kyrgyzstan		15*
Turkmenistan/Luxembourg		80,338
Turkmenistan/Mongolia		259
Turkmenistan/Morocco		1,466
Turkmenistan/Netherlands		630
Turkmenistan/Qatar		4
Turkmenistan/Republic of Korea		4,548
Turkmenistan/Russian Federation		22,651
Turkmenistan/Saudi Arabia		1,261
Turkmenistan/Spain		187
Turkmenistan/Switzerland		18
Turkmenistan/Tajikistan		158*
Turkmenistan/Thailand		626
Turkmenistan/Türkiye		42,487
Turkmenistan/United Arab Emirates		9,425

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Turkmenistan/United Kingdom		7,403
Turkmenistan/Uzbekistan		90
Turkmenistan/Viet Nam		5,032
Uganda/Angola		27
Uganda/Belgium	70,414	
Uganda/Brazil		7,919
Uganda/Burundi		1,483
Uganda/Cameroon	10	
Uganda/Central African Republic		-
Uganda/Chad		244*
Uganda/China		1,160
Uganda/Côte d'Ivoire	550	
Uganda/Cyprus	39	
Uganda/Democratic Republic of the Congo	3,907	
Uganda/Djibouti		23
Uganda/Egypt		8,794
Uganda/Ethiopia		23,082
Uganda/France	33	
Uganda/Gabon	100	
Uganda/Gambia	23	
Uganda/Georgia	-	
Uganda/Germany	1,505	
Uganda/Ghana	303	
Uganda/Greece	173	
Uganda/India		3,489*
Uganda/Israel	46	
Uganda/Jordan		323
Uganda/Kenya	20,595	
Uganda/Malawi		-
Uganda/Morocco		-
Uganda/Netherlands	56,191	
Uganda/Nigeria	2,156	
Uganda/Oman	530	
Uganda/Qatar	-	
Uganda/Russian Federation		-
Uganda/Rwanda	2,819	
Uganda/Saudi Arabia	254	
Uganda/Senegal		59*
Uganda/Somalia		3,526
Uganda/South Africa		9,476
Uganda/South Sudan	2,602	
Uganda/Spain	153	
Uganda/Sudan		87

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uganda/Switzerland	32	
Uganda/Türkiye	31,121	
Uganda/United Arab Emirates	90,245	
Uganda/United Kingdom	38	
Uganda/United Republic of Tanzania	4,082	
Ukraine/Bulgaria	118	
Ukraine/Hungary	16	
Ukraine/Montenegro	10	
Ukraine/Poland	34	
Ukraine/Romania	10	
Ukraine/Serbia	7	
Ukraine/Türkiye	203	
United Arab Emirates/Afghanistan	33,474	
United Arab Emirates/Albania	17*	
United Arab Emirates/Algeria		93,078
United Arab Emirates/Angola		53,773
United Arab Emirates/Armenia	29,185	
United Arab Emirates/Australia	1,562,034	
United Arab Emirates/Austria	145,942	
United Arab Emirates/Azerbaijan	67,392	
United Arab Emirates/Bahrain		98,923
United Arab Emirates/Bangladesh		370,303
United Arab Emirates/Belarus		-
United Arab Emirates/Belgium	226,273	
United Arab Emirates/Benin	91*	
United Arab Emirates/Bhutan		91
United Arab Emirates/Bosnia and Herzegovina	21*	
United Arab Emirates/Brazil		200*
United Arab Emirates/Brunei Darussalam		18,397
United Arab Emirates/Bulgaria	21,238	
United Arab Emirates/Burkina Faso	367*	
United Arab Emirates/Burundi		344
United Arab Emirates/Cabo Verde		155
United Arab Emirates/Cambodia	483	
United Arab Emirates/Cameroon	24*	
United Arab Emirates/Canada	470,114	
United Arab Emirates/Central African Republic		229
United Arab Emirates/Chad		25,489
United Arab Emirates/China		1,537,372
United Arab Emirates/Comoros		-
United Arab Emirates/Congo		726
United Arab Emirates/Côte d'Ivoire	732	
United Arab Emirates/Croatia	12,400	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates/Cyprus	40,854	
United Arab Emirates/Czechia	81,098	
United Arab Emirates/Democratic Republic of the Congo	5,547	
United Arab Emirates/Denmark	69,614	
United Arab Emirates/Djibouti		5,334
United Arab Emirates/Egypt		383,426
United Arab Emirates/Equatorial Guinea	52	
United Arab Emirates/Eritrea		22*
United Arab Emirates/Estonia	246	
United Arab Emirates/Ethiopia		148,621
United Arab Emirates/Finland	7,875	
United Arab Emirates/France	662,449	
United Arab Emirates/Gabon	410	
United Arab Emirates/Georgia	54,691	
United Arab Emirates/Germany	1,082,371	
United Arab Emirates/Ghana	103,575	
United Arab Emirates/Greece	79,802	
United Arab Emirates/Guinea		44*
United Arab Emirates/Guinea-Bissau		52
United Arab Emirates/Hungary	78,992	
United Arab Emirates/Iceland	-	
United Arab Emirates/India		1,983,950
United Arab Emirates/Indonesia	432,462	
United Arab Emirates/Iran (Islamic Republic of)		179,536
United Arab Emirates/Iraq	113,404	
United Arab Emirates/Ireland	192,684	
United Arab Emirates/Israel	133,720	
United Arab Emirates/Italy	616,355	
United Arab Emirates/Japan	362,311	
United Arab Emirates/Jordan		160,010
United Arab Emirates/Kazakhstan	103,005	
United Arab Emirates/Kenya	146,327	
United Arab Emirates/Kuwait		139,738
United Arab Emirates/Kyrgyzstan		31,507
United Arab Emirates/Lao People's Democratic Republic		36*
United Arab Emirates/Latvia	1,010	
United Arab Emirates/Lebanon		162,507
United Arab Emirates/Liberia		278
United Arab Emirates/Libya		6,525
United Arab Emirates/Lithuania	8,387	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates/Luxembourg	104,200	
United Arab Emirates/Madagascar	70	
United Arab Emirates/Malawi		29*
United Arab Emirates/Malaysia	256,159	
United Arab Emirates/Maldives	207,197	
United Arab Emirates/Mali	287	
United Arab Emirates/Malta	607	
United Arab Emirates/Mauritania		154*
United Arab Emirates/Mauritius		173,965
United Arab Emirates/Mongolia		-
United Arab Emirates/Montenegro	1,914	
United Arab Emirates/Morocco		159,944
United Arab Emirates/Mozambique		366
United Arab Emirates/Myanmar		5,943
United Arab Emirates/Namibia	-	
United Arab Emirates/Nepal		23,383*
United Arab Emirates/Netherlands	406,487	
United Arab Emirates/New Zealand	-	
United Arab Emirates/Niger		42*
United Arab Emirates/Nigeria	22,483	
United Arab Emirates/North Macedonia	89	
United Arab Emirates/Norway	62,899	
United Arab Emirates/Oman	65,974	
United Arab Emirates/Pakistan		495,907
United Arab Emirates/Palau	50*	
United Arab Emirates/Philippines	519,767	
United Arab Emirates/Poland	112,662	
United Arab Emirates/Portugal	157,367	
United Arab Emirates/Qatar	72,836	
United Arab Emirates/Republic of Korea	214,147	
United Arab Emirates/Republic of Moldova	28*	
United Arab Emirates/Romania	42,228	
United Arab Emirates/Russian Federation		622,249
United Arab Emirates/Rwanda	20,192	
United Arab Emirates/Sao Tome and Principe		43
United Arab Emirates/Saudi Arabia	768,769	
United Arab Emirates/Senegal		1,906
United Arab Emirates/Serbia	39,244	
United Arab Emirates/Seychelles		75,460
United Arab Emirates/Sierra Leone		56
United Arab Emirates/Singapore	519,126	
United Arab Emirates/Slovakia	2,281	
United Arab Emirates/Slovenia	-	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Arab Emirates/Somalia		19,341
United Arab Emirates/South Africa		553,962
United Arab Emirates/South Sudan	6,558	
United Arab Emirates/Spain	365,570	
United Arab Emirates/Sri Lanka		169,014
United Arab Emirates/Sudan		20,528
United Arab Emirates/Sweden	59,082	
United Arab Emirates/Switzerland	363,278	
United Arab Emirates/Syrian Arab Republic		28,317
United Arab Emirates/Tajikistan		7,458
United Arab Emirates/Thailand	589,485	
United Arab Emirates/Togo		76
United Arab Emirates/Tunisia		46,526
United Arab Emirates/Türkiye	490,107	
United Arab Emirates/Turkmenistan		9,128
United Arab Emirates/Uganda	91,550	
United Arab Emirates/United Kingdom	2,230,772	
United Arab Emirates/United Republic of Tanzania	78,294	
United Arab Emirates/United States	2,587,753	
United Arab Emirates/Uzbekistan		66,271
United Arab Emirates/Viet Nam		152,105
United Arab Emirates/Yemen		26*
United Arab Emirates/Zambia	65,109	
United Arab Emirates/Zimbabwe	641	
United Kingdom/Albania	36,865	
United Kingdom/Algeria		13,586
United Kingdom/Angola		199
United Kingdom/Antigua and Barbuda		68,889
United Kingdom/Argentina		43,868
United Kingdom/Armenia	183	
United Kingdom/Australia	-	
United Kingdom/Austria	106,374	
United Kingdom/Azerbaijan	24,268	
United Kingdom/Bahamas	96,094	
United Kingdom/Bahrain		153,408
United Kingdom/Bangladesh		54,876
United Kingdom/Barbados	226,508	
United Kingdom/Belgium	63,840	
United Kingdom/Belize	416	
United Kingdom/Benin	28	
United Kingdom/Bosnia and Herzegovina	1,194	
United Kingdom/Brazil		254,141

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom/Brunei Darussalam		2,171
United Kingdom/Bulgaria	119,694	
United Kingdom/Cabo Verde		63,608
United Kingdom/Cameroon	51*	
United Kingdom/Canada	870,129	
United Kingdom/Chile		48,030
United Kingdom/China		1,455,132
United Kingdom/Colombia		56,972
United Kingdom/Congo		144
United Kingdom/Costa Rica	20,116	
United Kingdom/Côte d'Ivoire	112	
United Kingdom/Croatia	101,455	
United Kingdom/Cuba	14,007	
United Kingdom/Cyprus	291,950	
United Kingdom/Czechia	74,938	
United Kingdom/Democratic Republic of the Congo	188	
United Kingdom/Denmark	136,360	
United Kingdom/Djibouti		147
United Kingdom/Dominica		169
United Kingdom/Dominican Republic	82,096	
United Kingdom/Ecuador		66
United Kingdom/Egypt		196,686
United Kingdom/El Salvador	61	
United Kingdom/Equatorial Guinea	201	
United Kingdom/Estonia	8,740	
United Kingdom/Ethiopia		52,557*
United Kingdom/Finland	88,149	
United Kingdom/France	510,025	
United Kingdom/Gabon	295	
United Kingdom/Gambia	7,620	
United Kingdom/Georgia	180	
United Kingdom/Germany	554,158	
United Kingdom/Ghana	50,386	
United Kingdom/Greece	811,073	
United Kingdom/Grenada	73	
United Kingdom/Guatemala	16	
United Kingdom/Guinea		28
United Kingdom/Guyana	64	
United Kingdom/Haiti		764
United Kingdom/Honduras	554	
United Kingdom/Hungary	101,365	
United Kingdom/Iceland	93,759	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom/India		1,057,272
United Kingdom/Indonesia	492	
United Kingdom/Iran (Islamic Republic of)		-
United Kingdom/Iraq	84	
United Kingdom/Ireland	343,712	
United Kingdom/Israel	167,365	
United Kingdom/Italy	757,079	
United Kingdom/Jamaica	116,256	
United Kingdom/Japan	441,651	
United Kingdom/Jordan		44,637
United Kingdom/Kazakhstan	26,513	
United Kingdom/Kenya	134,311	
United Kingdom/Kuwait		129,711
United Kingdom/Latvia	30,808	
United Kingdom/Lebanon		27,328
United Kingdom/Liberia		34
United Kingdom/Libya		6
United Kingdom/Lithuania	57,215	
United Kingdom/Luxembourg	23,443	
United Kingdom/Malawi		172
United Kingdom/Malaysia	169,240	
United Kingdom/Maldives	58,286	
United Kingdom/Malta	97,807	
United Kingdom/Mauritania		136
United Kingdom/Mauritius		85,326
United Kingdom/Mexico	337,067	
United Kingdom/Mongolia		87
United Kingdom/Montenegro	11,129	
United Kingdom/Morocco		149,982
United Kingdom/Mozambique		203
United Kingdom/Namibia	335	
United Kingdom/Netherlands	264,991	
United Kingdom/Nicaragua		579
United Kingdom/Nigeria	138,753	
United Kingdom/North Macedonia	4,284	
United Kingdom/Norway	121,650	
United Kingdom/Oman	41,018	
United Kingdom/Pakistan		39,611
United Kingdom/Panama		727
United Kingdom/Peru		3,891
United Kingdom/Philippines	2,459	
United Kingdom/Poland	352,288	
United Kingdom/Portugal	597,316	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Kingdom/Qatar	704,070	
United Kingdom/Republic of Korea	197,565	
United Kingdom/Republic of Moldova	12,170	
United Kingdom/Romania	211,814	
United Kingdom/Russian Federation		-
United Kingdom/Rwanda	33,208	
United Kingdom/Saint Kitts and Nevis	106	
United Kingdom/Saint Lucia		77,002
United Kingdom/Saint Vincent and the Grenadines	335	
United Kingdom/Sao Tome and Principe		36
United Kingdom/Saudi Arabia	273,508	
United Kingdom/Senegal		1,550
United Kingdom/Serbia	12,640	
United Kingdom/Seychelles		90
United Kingdom/Sierra Leone		29
United Kingdom/Singapore	1,058,894	
United Kingdom/Slovakia	26,642	
United Kingdom/Slovenia	7,961	
United Kingdom/Somalia		79
United Kingdom/South Africa		537,435
United Kingdom/Spain	2,759,795	
United Kingdom/Sri Lanka		78,960
United Kingdom/Sweden	121,057	
United Kingdom/Switzerland	231,066	
United Kingdom/Thailand	307,717	
United Kingdom/Togo		48
United Kingdom/Trinidad and Tobago	22,768*	
United Kingdom/Tunisia		32,274
United Kingdom/Türkiye	898,745	
United Kingdom/Turkmenistan		4,647
United Kingdom/Uganda	41*	
United Kingdom/United Arab Emirates	1,859,326	
United Kingdom/United Republic of Tanzania	45*	
United Kingdom/United States	8,333,916	
United Kingdom/Uzbekistan		9,780
United Kingdom/Venezuela (Bolivarian Republic of)		87
United Kingdom/Viet Nam		69,658
United Kingdom/Zambia	49	
United Republic of Tanzania/Algeria		294
United Republic of Tanzania/Angola		79
United Republic of Tanzania/Argentina		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Republic of Tanzania/Azerbaijan	-	
United Republic of Tanzania/Benin	21	
United Republic of Tanzania/Botswana	25	
United Republic of Tanzania/Burkina Faso	93	
United Republic of Tanzania/Burundi		391*
United Republic of Tanzania/Cabo Verde		40
United Republic of Tanzania/Cameroon	19*	
United Republic of Tanzania/Central African Republic		290
United Republic of Tanzania/China		14,320
United Republic of Tanzania/Comoros		5,518
United Republic of Tanzania/Congo		-
United Republic of Tanzania/Costa Rica	119	
United Republic of Tanzania/Côte d'Ivoire	-	
United Republic of Tanzania/Cyprus	46	
United Republic of Tanzania/Czechia	3,452	
United Republic of Tanzania/Democratic Republic of the Congo	504*	
United Republic of Tanzania/Egypt		14,072
United Republic of Tanzania/Ethiopia		46,699
United Republic of Tanzania/France	14,222	
United Republic of Tanzania/Gabon	14	
United Republic of Tanzania/Germany	14,316	
United Republic of Tanzania/Ghana	84	
United Republic of Tanzania/Greece	171	
United Republic of Tanzania/Grenada	-	
United Republic of Tanzania/India		16,639
United Republic of Tanzania/Israel	2,844	
United Republic of Tanzania/Italy	8,747	
United Republic of Tanzania/Jordan		357
United Republic of Tanzania/Kenya	26,603	
United Republic of Tanzania/Kuwait		-
United Republic of Tanzania/Lebanon		83
United Republic of Tanzania/Madagascar	37*	
United Republic of Tanzania/Malawi		138
United Republic of Tanzania/Malaysia	136	
United Republic of Tanzania/Maldives	68	
United Republic of Tanzania/Malta	67	
United Republic of Tanzania/Mauritius		114
United Republic of Tanzania/Morocco		521
United Republic of Tanzania/Mozambique		919
United Republic of Tanzania/Netherlands	61,962	
United Republic of Tanzania/Oman	414*	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United Republic of Tanzania/Poland	3,660*	
United Republic of Tanzania/Portugal	1,339	
United Republic of Tanzania/Qatar	45*	
United Republic of Tanzania/Romania	58	
United Republic of Tanzania/Rwanda	2,683	
United Republic of Tanzania/Saudi Arabia	5,981	
United Republic of Tanzania/Seychelles		74
United Republic of Tanzania/Somalia		8*
United Republic of Tanzania/South Africa		7,446
United Republic of Tanzania/South Sudan	16	
United Republic of Tanzania/Spain	311	
United Republic of Tanzania/Sweden	70	
United Republic of Tanzania/Switzerland	41*	
United Republic of Tanzania/Türkiye	38,673	
United Republic of Tanzania/Uganda	5,710	
United Republic of Tanzania/United Arab Emirates	74,389	
United Republic of Tanzania/United Kingdom	164	
United Republic of Tanzania/Zambia	3,927	
United Republic of Tanzania/Zimbabwe	3,759	
United States/Albania	369	
United States/Algeria		-
United States/Antigua and Barbuda		35,370
United States/Argentina		641,259
United States/Armenia	45	
United States/Australia	1,827,899	
United States/Austria	193,905	
United States/Azerbaijan	52*	
United States/Bahamas	202,193	
United States/Bahrain		172,601
United States/Bangladesh		179
United States/Barbados	61,847	
United States/Belgium	880,116	
United States/Belize	59,601	
United States/Benin	127	
United States/Bolivia (Plurinational State of)		56,556
United States/Brazil		1,782,127
United States/Bulgaria	27,390	
United States/Cabo Verde		302
United States/Cameroon	50	
United States/Canada	2,690,072	
United States/Chile		425,450
United States/China		6,976,157

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United States/Colombia		814,169
United States/Cook Islands	2,675	
United States/Costa Rica	415,707	
United States/Côte d'Ivoire	16,656	
United States/Croatia	10,510	
United States/Cuba	104,588	
United States/Cyprus	242	
United States/Czechia	19,731	
United States/Democratic Republic of the Congo	53	
United States/Denmark	343,917	
United States/Djibouti		1,096
United States/Dominica		4,006
United States/Dominican Republic	881,058	
United States/Ecuador		282,148
United States/Egypt		124,139
United States/El Salvador	314,021	
United States/Estonia	918	
United States/Ethiopia		212,944
United States/Fiji		115,335
United States/Finland	148,620	
United States/France	3,120,386	
United States/Gabon	94	
United States/Georgia	882	
United States/Germany	4,902,348	
United States/Ghana	88,275	
United States/Greece	330,195	
United States/Grenada	28,157	
United States/Guatemala	214,391	
United States/Guinea		38*
United States/Guyana	73,943	
United States/Haiti		30,331
United States/Honduras	116,599	
United States/Hungary	1,709	
United States/Iceland	336,648	
United States/India		1,068,995
United States/Indonesia	798	
United States/Iraq	3,362*	
United States/Ireland	926,072	
United States/Israel	770,007	
United States/Italy	1,605,738	
United States/Jamaica	396,766	
United States/Japan	6,102,339	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United States/Jordan		170,746
United States/Kazakhstan	-	
United States/Kenya	61*	
United States/Kiribati	24*	
United States/Kuwait		92,905
United States/Latvia	870	
United States/Lebanon		360
United States/Lithuania	1,039	
United States/Luxembourg	466,043	
United States/Malaysia	929	
United States/Malta	1,226	
United States/Marshall Islands	14,723	
United States/Mauritania		311
United States/Mexico	3,846,279	
United States/Micronesia (Federated States of)	5,535	
United States/Mongolia		170
United States/Montenegro	121	
United States/Morocco		88,988
United States/Netherlands	2,417,327	
United States/New Zealand	671,027	
United States/Nicaragua		66,059
United States/Niger		303
United States/Nigeria	102,739	
United States/North Macedonia	351	
United States/Norway	84,929	
United States/Palau	5,032	
United States/Panama		469,699
United States/Papua New Guinea	385	
United States/Paraguay		52,758
United States/Peru		436,714
United States/Philippines	578,411	
United States/Poland	422,552	
United States/Portugal	436,952	
United States/Qatar	1,812,742	
United States/Republic of Korea	5,284,541	
United States/Romania	4,957	
United States/Russian Federation		779
United States/Saint Kitts and Nevis	16,817	
United States/Saint Lucia		53,660
United States/Saint Vincent and the Grenadines	9,566	
United States/Samoa		2,468
United States/Saudi Arabia	261,465	
United States/Senegal		32,722

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
United States/Serbia	45,852	
United States/Sierra Leone		35
United States/Singapore	956,976	
United States/Slovakia	145	
United States/Slovenia	215*	
United States/Solomon Islands		100
United States/South Africa		313,808
United States/Spain	1,321,201	
United States/Suriname	5,478	
United States/Sweden	126,764	
United States/Switzerland	961,004	
United States/Tajikistan		760
United States/Thailand	4,035	
United States/Togo		63,251
United States/Tonga	27	
United States/Trinidad and Tobago	90,201	
United States/Tunisia		582
United States/Türkiye	1,458,622	
United States/Turkmenistan		296
United States/Uganda	-	
United States/United Arab Emirates	2,484,007	
United States/United Kingdom	7,358,098	
United States/Uruguay	35,429	
United States/Uzbekistan		34,512
United States/Vanuatu	-	
United States/Venezuela (Bolivarian Republic of)		272
United States/Viet Nam		109,616
United States/Zimbabwe	304	
Uruguay/Argentina		10,299
Uruguay/Barbados	-	
Uruguay/Brazil		39,725
Uruguay/Cabo Verde		54
Uruguay/Chile		18,265
Uruguay/Colombia		11,568
Uruguay/Ecuador		228
Uruguay/France	-	
Uruguay/Germany	333	
Uruguay/Mexico	577	
Uruguay/Panama		56,623
Uruguay/Paraguay		4,625
Uruguay/Peru		9,553
Uruguay/Senegal		124

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uruguay/South Africa		36*
Uruguay/Spain	110,286	
Uruguay/United Arab Emirates	-	
Uruguay/United Kingdom	44*	
Uruguay/United States	15,819	
Uzbekistan/Afghanistan		743
Uzbekistan/Albania		76
Uzbekistan/Armenia		27
Uzbekistan/Austria		148
Uzbekistan/Azerbaijan		15,423
Uzbekistan/Bangladesh		55
Uzbekistan/Belarus		3,392*
Uzbekistan/Belgium		500
Uzbekistan/Cambodia		217
Uzbekistan/China		111,159
Uzbekistan/Croatia		38
Uzbekistan/Cyprus		12
Uzbekistan/Czechia		7,328
Uzbekistan/Denmark		21,882
Uzbekistan/Egypt		9,217
Uzbekistan/Estonia		119
Uzbekistan/Finland		-
Uzbekistan/France		4,826
Uzbekistan/Georgia		4,067
Uzbekistan/Germany		14,282
Uzbekistan/Greece		115
Uzbekistan/Hungary		350
Uzbekistan/India		10,706
Uzbekistan/Indonesia		4,341
Uzbekistan/Iran (Islamic Republic of)		1,485
Uzbekistan/Iraq		13
Uzbekistan/Israel		6,384
Uzbekistan/Italy		4,254
Uzbekistan/Japan		4,513
Uzbekistan/Jordan		23*
Uzbekistan/Kazakhstan		17,262
Uzbekistan/Kenya		-
Uzbekistan/Kuwait		17,867
Uzbekistan/Kyrgyzstan		2,175
Uzbekistan/Latvia		5,207
Uzbekistan/Malaysia		7,106
Uzbekistan/Maldives		441
Uzbekistan/Malta		91

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Uzbekistan/Mongolia		44*
Uzbekistan/Montenegro		668
Uzbekistan/Oman		519
Uzbekistan/Pakistan		761
Uzbekistan/Philippines		-
Uzbekistan/Poland		445
Uzbekistan/Qatar		586
Uzbekistan/Republic of Korea		70,360
Uzbekistan/Romania		83
Uzbekistan/Russian Federation		345,009
Uzbekistan/Saudi Arabia		51,283
Uzbekistan/Seychelles		96*
Uzbekistan/Singapore		566
Uzbekistan/Spain		589
Uzbekistan/Sri Lanka		231
Uzbekistan/Sweden		74
Uzbekistan/Switzerland		1,216
Uzbekistan/Syrian Arab Republic		60
Uzbekistan/Tajikistan		1,389
Uzbekistan/Thailand		3,992
Uzbekistan/Türkiye		186,573
Uzbekistan/Turkmenistan		103
Uzbekistan/United Arab Emirates		63,058
Uzbekistan/United Kingdom		17,681
Uzbekistan/United States		34,701*
Uzbekistan/Viet Nam		1,707
Vanuatu/Australia	12,917	
Vanuatu/China		-
Vanuatu/Fiji		865
Vanuatu/France	582*	
Vanuatu/Indonesia	182	
Vanuatu/Malaysia	40	
Vanuatu/New Zealand	-	
Vanuatu/Papua New Guinea	38	
Vanuatu/Solomon Islands		667
Vanuatu/Sri Lanka		51
Vanuatu/United States	-	
Venezuela (Bolivarian Republic of)/Algeria		599
Venezuela (Bolivarian Republic of)/Argentina		144
Venezuela (Bolivarian Republic of)/Bahamas		13*
Venezuela (Bolivarian Republic of)/Barbados		21
Venezuela (Bolivarian Republic of)/Belgium		46

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Venezuela (Bolivarian Republic of)/Bolivia (Plurinational State of)		315
Venezuela (Bolivarian Republic of)/Brazil		26
Venezuela (Bolivarian Republic of)/Cabo Verde		650
Venezuela (Bolivarian Republic of)/Canada		24
Venezuela (Bolivarian Republic of)/Colombia		4,110
Venezuela (Bolivarian Republic of)/Costa Rica		149
Venezuela (Bolivarian Republic of)/Cuba		3,551
Venezuela (Bolivarian Republic of)/Dominican Republic		7,635
Venezuela (Bolivarian Republic of)/Ecuador		321
Venezuela (Bolivarian Republic of)/Egypt		-
Venezuela (Bolivarian Republic of)/France		71
Venezuela (Bolivarian Republic of)/Germany		48
Venezuela (Bolivarian Republic of)/Greece		54
Venezuela (Bolivarian Republic of)/Grenada		-
Venezuela (Bolivarian Republic of)/Guyana		11
Venezuela (Bolivarian Republic of)/Haiti		30
Venezuela (Bolivarian Republic of)/Iran (Islamic Republic of)		4,132
Venezuela (Bolivarian Republic of)/Italy		-
Venezuela (Bolivarian Republic of)/Mexico		7,294
Venezuela (Bolivarian Republic of)/Morocco		68
Venezuela (Bolivarian Republic of)/Netherlands		84
Venezuela (Bolivarian Republic of)/Nicaragua		434
Venezuela (Bolivarian Republic of)/Panama		33,266
Venezuela (Bolivarian Republic of)/Peru		5,462
Venezuela (Bolivarian Republic of)/Poland		3,051
Venezuela (Bolivarian Republic of)/Portugal		17,541
Venezuela (Bolivarian Republic of)/Qatar		403
Venezuela (Bolivarian Republic of)/Russian Federation		17,255
Venezuela (Bolivarian Republic of)/Saint Lucia		3
Venezuela (Bolivarian Republic of)/Saint Vincent and the Grenadines		22
Venezuela (Bolivarian Republic of)/Spain		92,058
Venezuela (Bolivarian Republic of)/Suriname		48
Venezuela (Bolivarian Republic of)/Switzerland		200
Venezuela (Bolivarian Republic of)/Syrian Arab Republic		3,232
Venezuela (Bolivarian Republic of)/Trinidad and Tobago		-
Venezuela (Bolivarian Republic of)/Türkiye		69,840

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Venezuela (Bolivarian Republic of)/United Kingdom		5*
Venezuela (Bolivarian Republic of)/United States		94
Viet Nam/Australia		170*
Viet Nam/Azerbaijan		-
Viet Nam/Bahrain		138
Viet Nam/Bangladesh		10*
Viet Nam/Belarus		-
Viet Nam/Bhutan		258
Viet Nam/Brunei Darussalam		1,515*
Viet Nam/Cambodia		29,105
Viet Nam/China		730,323
Viet Nam/Czechia		2,149
Viet Nam/Egypt		219
Viet Nam/Ethiopia		11,517
Viet Nam/France		47,548*
Viet Nam/Germany		29,154*
Viet Nam/India		153,655
Viet Nam/Indonesia		75,876
Viet Nam/Iraq		-
Viet Nam/Japan		511,350
Viet Nam/Kazakhstan		35,628
Viet Nam/Kyrgyzstan		101
Viet Nam/Lao People's Democratic Republic		10,429
Viet Nam/Malaysia		136,840
Viet Nam/Maldives		37
Viet Nam/Mongolia		1,137
Viet Nam/Myanmar		3,576
Viet Nam/Nepal		113
Viet Nam/Netherlands		-
Viet Nam/Oman		679
Viet Nam/Pakistan		12,872
Viet Nam/Philippines		34,656
Viet Nam/Poland		6,923
Viet Nam/Portugal		231
Viet Nam/Qatar		1,828*
Viet Nam/Republic of Korea		1,211,205
Viet Nam/Russian Federation		2,181
Viet Nam/Singapore		171,851
Viet Nam/Slovakia		50
Viet Nam/Solomon Islands		41
Viet Nam/Sri Lanka		-

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Viet Nam/Thailand		152,957
Viet Nam/Türkiye		83,203
Viet Nam/Turkmenistan		5,540
Viet Nam/United Arab Emirates		178,922
Viet Nam/United Kingdom		-
Viet Nam/United States		56,164
Viet Nam/Uzbekistan		1,949
Yemen/Djibouti		191
Yemen/Egypt		22,797
Yemen/Ethiopia		495
Yemen/India		2,956
Yemen/Jordan		4,191
Yemen/Oman		-
Yemen/Saudi Arabia		9,689
Yemen/United Arab Emirates		23*
Zambia/Algeria		-
Zambia/Angola		44
Zambia/Botswana	30	
Zambia/Burundi		-
Zambia/Central African Republic		306
Zambia/Comoros		18
Zambia/Côte d'Ivoire	-	
Zambia/Democratic Republic of the Congo	1,739	
Zambia/Djibouti		28
Zambia/Egypt		86
Zambia/Ethiopia		20,972
Zambia/France	34	
Zambia/Gabon	23	
Zambia/Germany	91	
Zambia/Ghana	135	
Zambia/India		101
Zambia/Israel	196	
Zambia/Kenya	12,872	
Zambia/Lesotho		7
Zambia/Madagascar	172	
Zambia/Malawi		1,130
Zambia/Mozambique		64
Zambia/Namibia	15	
Zambia/Nigeria	27	
Zambia/Oman	-	
Zambia/Qatar	-	
Zambia/Rwanda	8*	
Zambia/Saudi Arabia	20	

State Pair	2023 CO ₂ emissions (tonnes)	
	Subject to offsetting requirements	Not subject to offsetting requirements
Zambia/Seychelles		26
Zambia/Somalia		25
Zambia/South Africa		40,353
Zambia/Togo		29
Zambia/Uganda	70*	
Zambia/United Arab Emirates	22*	
Zambia/United Kingdom	46*	
Zambia/United Republic of Tanzania	4,876	
Zambia/Zimbabwe	15,732	
Zimbabwe/Angola		15*
Zimbabwe/Botswana	2,030	
Zimbabwe/Côte d'Ivoire	44	
Zimbabwe/Democratic Republic of the Congo	42	
Zimbabwe/Egypt		22*
Zimbabwe/Ethiopia		31,930*
Zimbabwe/Georgia	245	
Zimbabwe/Ghana	72	
Zimbabwe/Italy	40	
Zimbabwe/Kenya	20,650	
Zimbabwe/Lebanon		27
Zimbabwe/Madagascar	16	
Zimbabwe/Malawi		91
Zimbabwe/Mauritius		15
Zimbabwe/Mozambique		11*
Zimbabwe/Namibia	3,318	
Zimbabwe/Nigeria	25	
Zimbabwe/Qatar	-	
Zimbabwe/Rwanda	4,267	
Zimbabwe/Senegal		171
Zimbabwe/Seychelles		17
Zimbabwe/South Africa		45,585
Zimbabwe/Switzerland	34	
Zimbabwe/Türkiye	117	
Zimbabwe/Uganda	-	
Zimbabwe/United Arab Emirates	360	
Zimbabwe/United Kingdom	219	
Zimbabwe/United Republic of Tanzania	83	

End of Part III - Table 1

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

Last update: 31/Oct/2024

Aeroplane Operator	State	2023 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	
Air Albania	Albania	-	-	-	
Air Algerie	Algeria	-	-	-	Yes
Tassili Airlines	Algeria	-	-	-	Yes
TAAG ANGOLA AIRLINES	Angola	-	-	-	
Aerolíneas Argentinas S.A	Argentina	925,080	3,470	921,610	Yes
FB LINEAS AÉREAS SA	Argentina	62,717	98	62,619	Yes
FLYONE ARMENIA LLC	Armenia	161,510	72,452	89,057	
Qantas Airways Pty Ltd	Australia	-	-	-	Yes
Tasman Cargo Airlines Pty Ltd	Australia	-	-	-	
Virgin Australia International Airlines Pty Ltd	Australia	-	-	-	Yes
Jetstar Airways Pty Ltd	Australia	-	-	-	Yes
ExecuJet Australia Pty Ltd	Australia	-	-	-	Yes
Austrian Airlines AG	Austria	-	-	-	
Avcon Jet AG	Austria	-	-	-	
International Jet Management GmbH	Austria	-	-	-	
Easyjet Europe Airline GmbH	Austria	-	-	-	
Sparfell Luftfahrt GmbH	Austria	-	-	-	
“Silk Way Airlines” LLC	Azerbaijan	-	-	-	
“Silk Way West Airlines” LLC	Azerbaijan	-	-	-	
ASG “Business Aviation”	Azerbaijan	-	-	-	Yes
Azerbaijan Airlines	Azerbaijan	-	-	-	
Bahamasair Holdings Ltd.	Bahamas	30,504	28,710	1,794	Yes
Western Air	Bahamas	2,027	2,027	-	Yes
Gulf Air B.S.C.	Bahrain	1,423,008	14,300	1,408,708	
DHL Aviation EEMEA B.S.C	Bahrain	480,005	9,824	470,181	
Biman Bangladesh Airlines Limited	Bangladesh	830,482	35,365	795,117	
US-Bangla Airlines Limited	Bangladesh	263,656	-	263,656	Yes
Belavia Belarusian Airlines	Belarus	-	-	-	
Transaviaexport Airlines	Belarus	-	-	-	Yes
RubyStar Airways	Belarus	-	-	-	Yes
Rada Airlines	Belarus	-	-	-	
ABELAG AVIATION	Belgium	15,494	14,242	1,252	
AIR BELGIUM	Belgium	303,053	113,222	189,830	
ASL AIRLINES BELGIUM	Belgium	863,528	498,870	364,659	
BRUSSELS AIRLINES	Belgium	1,511,064	1,292,706	218,358	
FLYING SERVICE	Belgium	13,587	11,500	2,087	
TUI AIRLINES BELGIUM (TUIFLY)	Belgium	567,589	360,392	207,197	
CHALLENGE AIRLINES (BE) S.A.	Belgium	260,392	191,460	68,932	
Royal Bhutan Airlines	Bhutan	43,856	3,501	40,355	Yes
Bhutan Airlines	Bhutan	17,043	29	17,014	Yes
BOLIVIANA DE AVIACIÓN	Bolivia (Plurinational State of)	238,718	87	238,631	
TRANSPORTES AÉREOS BOLIVIANOS	Bolivia (Plurinational State of)	14,045	-	14,045	

Aeroplane Operator	State	2023 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	
ABSA AEROLINHAS BRASILEIRAS S/A	Brazil	142,748	1,540	141,207	
Azul Linhas Aéreas Brasileiras S/A	Brazil	690,163	298	689,865	
GOL LINHAS AEREAS S.A	Brazil	249,438	511	248,927	
TAM LINHAS AEREAS S.A.	Brazil	1,985,291	571	1,984,720	
Royal Brunei Airlines Sdn Bhd	Brunei Darussalam	264,389	37,126	227,263	Yes
BH Air	Bulgaria	36,475	27,032	9,442	
Bulgaria Air Jsc	Bulgaria	100,859	93,539	7,320	
Cargo Air	Bulgaria	14,175	196	13,979	
European Air Charter	Bulgaria	108,401	47,807	60,594	
Transportes Aéreos de Cabo Verde (TACV Cabo Verde Airlines)	Cabo Verde	19,839	80	19,759	Yes
Cambodia Airways	Cambodia	-	-	-	Yes
Cambodia Angkor Air	Cambodia	-	-	-	Yes
Lanmei Airlines (Cambodia) Co.,Ltd	Cambodia	-	-	-	Yes
Sky Angkor Airlines	Cambodia	-	-	-	Yes
Air Canada	Canada	8,942,495	7,701,214	1,241,281	
Air Transat	Canada	1,428,740	1,406,220	22,520	
AirSprint Inc.	Canada	32,090	31,821	269	Yes
Cargojet Airways Ltd.	Canada	477,934	357,239	120,695	
Exeaire, a division of I.M.P Group Limited	Canada	18,106	16,669	1,437	
Jazz Aviation LP	Canada	526,583	526,583		
Porter Airlines Inc.	Canada	51,950	51,950		
Skyservice Business Aviation Inc.	Canada	32,787	30,992	1,795	Yes
Sunwing Airlines Inc.	Canada	602,190	590,983	11,208	
Swoop Inc.	Canada	134,643	134,643		
WestJet Airlines Ltd.	Canada	1,746,077	1,733,821	12,256	
Flair Airlines Ltd.	Canada	140,317	140,175	142	Yes
Jet Smart SPA	Chile	128,720	485	128,234	
LATAM AIRLINES GROUP S.A	Chile	1,606,751	39,115	1,567,636	
LATAM CARGO CHILE	Chile	468,016	111,736	356,280	
SKY AIRLINE S.A.	Chile	138,141	155	137,986	
Jiangsu Jingdong Cargo Airlines Co., Ltd.	China	5,320		5,320	
Ruili Airlines Co., Ltd	China	9,203		9,203	
West Air Ltd.	China	5,253		5,253	
Tibet Airlines Ltd.	China	901	36	865	
Air Chang'an	China	209		209	
Uni Air	China	391	23	368	
Colorful Guizhou Airlines Co., Ltd	China	63	28	35	
Air China Co., Ltd.	China	3,350,608	1,017	3,349,591	
Air China Cargo Ltd.	China	1,275,283	19,522	1,255,761	
China Eastern Airlines Co., Ltd.	China	3,251,759	1,952	3,249,807	
China Cargo Airlines Ltd.	China	1,453,228	17,428	1,435,800	
China Southern Airlines Co., Ltd.	China	4,084,137	40,748	4,043,389	
Xiamen Air Ltd.	China	792,049	194	791,855	
Hainan Airlines Holding Co., Ltd.	China	846,640		846,640	
Tianjin Airlines Ltd.	China	127,658	54	127,604	
Beijing Capital Airlines Ltd.	China	283,275		283,275	

Aeroplane Operator	State	2023 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	
Suparna Airlines Co., Ltd.	China	309,142	998	308,144	
Yunnan Lucky Air Ltd.	China	12,645		12,645	
Shandong Airlines Co., Ltd.	China	87,922		87,922	
Shanghai Airlines Ltd.	China	313,555	13	313,542	
Shenzhen Airlines Ltd.	China	268,833	139	268,694	
Sichuan Airlines Co., Ltd.	China	808,800	28,021	780,779	
Spring Airlines Co., Ltd.	China	315,578		315,578	
Shanghai Juneyao Airlines Co., Ltd.	China	284,469	116	284,353	
SF Airlines Ltd.	China	659,644	14,221	645,423	
Zhejiang Loong Air Ltd.	China	47,762		47,762	
Hangzhou Yuantong Air Freight Ltd.	China	214,042		214,042	
China Airlines Co., Ltd.	China	4,966,708	380,027	4,586,681	
EVA Air Co., Ltd.	China	5,708,413	419,165	5,289,248	
Mandarin Airlines	China	15,019		15,019	
Tigerair Taiwan	China	261,242	88	261,154	
Cathay Pacific Airways Ltd.	China	8,968,755	277,716	8,691,039	
AHK Air Hong Kong Ltd.	China	295,679	200	295,478	
HK Express Airways Ltd.	China	476,414	209	476,205	
Hong Kong Airlines Ltd	China	387,894		387,894	
Air Macau Co., Ltd.	China	76,361		76,361	
TAG Aviation Asia Ltd.	China	22,560	11,259	11,301	
China Postal Airlines Ltd.	China	89,766		89,766	
Tianjin Air Cargo Co., Ltd.	China	68,990		68,990	
Okay Airways Ltd.	China	3,814		3,814	
Chengdu Airlines Co. Ltd.	China	4,826	84	4,742	
Guangxi Beibu Gulf Airlines Co., Ltd	China	5,923		5,923	
China Express Airlines Co., Ltd	China	3,814		3,814	
9 Air Co., Ltd	China	13,771		13,771	
Qingdao Airlines Co., Ltd.	China	18,092	118	17,974	
Urumqi Air Ltd.	China	840		840	
Hong Kong Air Cargo Ltd.	China	294,193	43,454	250,739	
STARLUX Airlines	China	532,078	134	531,944	
Zhongyuan Longhao Airlines Co., Ltd.	China	77,932		77,932	
Central Airlines Co., Ltd	China	235,208		235,208	
Chongqing Airlines Ltd.	China	18,277	17	18,260	
Beijing Airlines Co., Ltd	China	2,573	203	2,370	
Northwestern Cargo International Airlines (Co. Ltd)	China	7,923		7,923	
China Southern Cargo (Co. Ltd)	China	525,939	4,887	521,052	
AEROREPUBLICA S.A.	Colombia	185,972		185,972	
AEROVIAS DE CONTINENTE AMERICANO S. A. "AVIANCA" / "AVIANCA CARGO"	Colombia	2,519,686	63,309	2,456,378	
AEROVIAS DE INTEGRACIÓN REGIONAL S.A. Y / O LATAM AIRLINES COLOMBIA	Colombia	46,698		46,698	
LÍNEA AEREA CARGUERA DE COLOMBIA S.A.	Colombia	272,250	36,869	235,382	

Aeroplane Operator	State	2023 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	
AVIANCA COSTA RICA, S.A.	Costa Rica	-	-	-	
Vuela Aviación, S.A.	Costa Rica	-	-	-	
AIR COTE D'IVOIRE	Côte d'Ivoire	116,655	62,744	53,911	Yes
Croatia Airlines hrvatska zrakoplovna tvrtka d.d.	Croatia	-	-	-	
TRADE AIR d.o.o.	Croatia	-	-	-	
CUBANA DE AVIACIÓN S.A.	Cuba	33,594	22,405	11,189	Yes
Cyprus Airways	Cyprus	67,666	63,670	3,997	
TUS AIRWAYS	Cyprus	41,376	41,273	103	
CZECH AIRLINES	Czechia	17,728	17,728		
SMARTWINGS A.S.	Czechia	673,769	430,238	243,531	
ABS JETS INC.	Czechia	17,263	15,977	1,286	
Air Alsie	Denmark	24,961	22,454	2,506	
Atlantic Airways	Denmark	38,952	38,133	818	
Copenhagen AirTaxi A/S	Denmark	42,231	38,354	3,878	
jettime a/s	Denmark	195,422	189,689	5,733	
Maersk Air Cargo A/S	Denmark	181,390	97,801	83,589	
Sun Air of Scandinavia	Denmark	12,741	12,649	92	
Sunclass Airlines	Denmark	443,602	422,604	20,998	
Helidosa Aviation Group	Dominican Republic	13,083	9,511	3,572	Yes
Air Century S.A.	Dominican Republic	13,626	10,324	3,302	Yes
ARAJET S.A	Dominican Republic	97,697	59,748	37,949	Yes
RED AIR S.A	Dominican Republic	23,169	23,155	14	Yes
SKY HIGH Aviation services Dominicana S.A.	Dominican Republic	60,098	38,603	21,495	Yes
AEROLANE LINEAS AÉREAS DEL ECUADOR S.A.	Ecuador	182,531	8,926	173,605	Yes
AVIANCA ECUADOR	Ecuador	122,396		122,396	
AMC Airlines	Egypt	-	-	-	Yes
Air Arabia Egypt	Egypt	-	-	-	Yes
Air Cairo	Egypt	-	-	-	
AlMasria Universal Airlines	Egypt	-	-	-	
Egyptair Airlines	Egypt	-	-	-	
FlyEgypt	Egypt	-	-	-	
Nile Air	Egypt	-	-	-	
Nesma Airlines	Egypt	-	-	-	
Taca International Airlines S.A.	El Salvador	504,046	413,599	90,448	
Smartlynx Airlines Estonia	Estonia	25,722	16,921	8,801	
Ethiopian Airlines Group	Ethiopia	6,876,335	500,691	6,375,644	
Fiji Airways	Fiji	673,911	2,367	671,544	
Finnair Oyj	Finland	2,917,161	2,564,450	352,712	
Air Austral	France	105,031	76,750	28,281	Yes
Air Caraïbes	France	132,500	120,453	12,047	Yes
Air France	France	11,755,895	8,173,642	3,582,253	Yes
Air Tahiti Nui	France	278,668	277,931	736	Yes
Airbus Transport International	France	81,451	78,763	2,689	Yes
ASL Airlines France	France	85,609	43,734	41,875	Yes
Corsair	France	218,904	170,719	48,185	Yes
French Bee	France	331,496	331,254	241	Yes
Dreamjet SAS	France	74,860	74,860		Yes
Transavia France	France	1,366,441	814,136	552,304	Yes
Air Calédonie International	France	144,935	141,413	3,522	Yes
AIRBUS SAS	France	7,244	5,271	1,973	Yes

Aeroplane Operator	State	2023 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	
AIR CORSICA	France	10,780	10,511	269	Yes
CMA-CGM AIR CARGO	France	283,189	38,396	244,793	Yes
Airline Geo Sky LLC	Georgia	58,669	21,988	36,681	Yes
Georgian Airways LLC	Georgia	36,534	32,488	4,046	Yes
Aerologic GmbH	Germany	2,634,939	1,186,865	1,448,074	
Condor Flugdienst GmbH	Germany	2,168,612	1,887,605	281,007	
DC Aviation GmbH	Germany	11,241	10,508	733	
Deutsche Lufthansa AG	Germany	13,101,409	9,997,718	3,103,691	
European Air Transport Leipzig GmbH	Germany	1,515,563	1,368,776	146,787	
Eurowings GmbH	Germany	2,107,052	2,020,893	86,159	
K5-Aviation GmbH	Germany	18,918	17,583	1,335	Yes
Lufthansa Cargo AG	Germany	1,379,825	730,256	649,569	
Sundair GmbH	Germany	155,438	114,705	40,733	
TUIfly GmbH	Germany	577,642	471,036	106,606	
EW Discover GmbH	Germany	1,201,725	1,113,537	88,188	
FAI rent-a-jet GmbH	Germany	16,463	14,006	2,457	Yes
VistaJet GmbH	Germany	123,128	109,401	13,727	
Africa World Airlines	Ghana	-	-	-	Yes
Air Ghana	Ghana	-	-	-	Yes
AEGEAN AIRLINES	Greece	1,060,094	1,022,997	37,097	
BLUEBIRD AIRWAYS	Greece	52,617	52,617		
GAINJET AVIATION S.A.	Greece	11,426	6,686	4,740	
SKY EXPRESS S.A.	Greece	160,363	160,363		
DHL de Guatemala, S.A.	Guatemala	23,490	9,723	13,767	
AVIATECA, S.A.	Guatemala	15,815	6,863	8,952	
Wizz Air Hungary LTD	Hungary	-	-	-	Yes
Icelandair	Iceland	1,108,110	1,100,018	8,091	
Bluebird Ltd	Iceland	39,976	37,245	2,732	
Air Atlanta Icelandic	Iceland	648,564	468,232	180,331	
Fly Play	Iceland	275,032	275,032		
Air India	India	-	-	-	Yes
Air India Express	India	-	-	-	Yes
Go Airlines (India) Ltd.	India	-	-	-	Yes
Interglobe Aviation Ltd.	India	-	-	-	Yes
Spicejet	India	-	-	-	Yes
TATA SIA Airlines Ltd.	India	-	-	-	Yes
SRIWIJAYA AIR	Indonesia	13,877	339	13,538	Yes
Tri MG Intra Asia Airlines	Indonesia	21,979	14,440	7,539	Yes
PT. Super Air Jet	Indonesia	20,263	19,386	877	Yes
Garuda Indonesia	Indonesia	1,158,130	1,046,386	111,745	
Batik Air Indonesia	Indonesia	297,998	281,942	16,056	
Indonesia AirAsia	Indonesia	499,764	499,070	694	
Lion Mentari Airline	Indonesia	596,425	544,066	52,358	
My Indo Airlines	Indonesia	35,220	21,019	14,200	Yes
Citilink Indonesia	Indonesia	63,575	61,385	2,190	
PT. TRANSNUSA AVIATION MANDIRI	Indonesia	22,934	20,784	2,150	Yes
Meraj Airline	Iran (Islamic Republic of)	-	-	-	
Iran Air	Iran (Islamic Republic of)	-	-	-	
ATA Airlines	Iran (Islamic Republic of)	-	-	-	
Iran Airtour	Iran (Islamic Republic of)	-	-	-	
Iran Aseman Airline	Iran (Islamic Republic of)	-	-	-	

Aeroplane Operator	State	2023 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	
Mahan Air	Iran (Islamic Republic of)	-	-	-	
Qeshm Air	Iran (Islamic Republic of)	-	-	-	
Taban Airlines	Iran (Islamic Republic of)	-	-	-	
Zagros Airlines	Iran (Islamic Republic of)	-	-	-	
Sepehran Airlines	Iran (Islamic Republic of)	-	-	-	
Varesh Airlines	Iran (Islamic Republic of)	-	-	-	
Caspian Alirines	Iran (Islamic Republic of)	-	-	-	
UR Airlines	Iraq	47,086	35,531	11,555	Yes
Fly Baghdad Airline	Iraq	156,956	89,500	67,456	Yes
Iraqi Airways company	Iraq	232,866	129,006	103,860	
Ryanair DAC	Ireland	-	-	-	
AerLingus	Ireland	-	-	-	
ASL Airlines (Ireland) Limited	Ireland	-	-	-	
Emerald Airlines	Ireland	-	-	-	
Arkia Israeli Airlines Ltd.	Israel	111,739	102,558	9,181	
Challenge Airlines (IL) LTD	Israel	213,887	55,520	158,367	
El Al Israel Airlines Ltd.	Israel	1,891,770	1,796,868	94,901	
Israir Airlines @ Tourism Ltd.	Israel	146,552	140,850	5,703	
Cargolux Italia S.p.A.	Italy	421,589	170,812	250,776	
Neos S.p.A	Italy	654,362	421,703	232,659	
Air Dolomiti S.p.A. Linee Aeree Regionali Europee	Italy	225,831	225,831		
Italia Trasporto Aereo S.p.A.	Italy	1,789,242	1,285,957	503,285	
SIRIO SpA	Italy	12,266	11,051	1,216	
Aeroitalia Srl	Italy	18,668	16,309	2,360	
JAPAN AIRLINES CO., LTD	Japan	-	-	-	
ALL NIPPON AIRWAYS CO., LTD.	Japan	-	-	-	
AIR JAPAN CO., LTD	Japan	-	-	-	
NIPPON CARGO AIRLINES CO., LTD.	Japan	-	-	-	
ZIPAIR TOKYO INC.	Japan	-	-	-	
Peach Aviation Limited	Japan	-	-	-	
JETSTAR JAPAN CO., LTD	Japan	-	-	-	Yes
SPRING AIRLINES JAPAN CO., LTD	Japan	-	-	-	Yes
Jordan Aviation Airlines	Jordan	-	-	-	Yes
Solitaire Air (dba) Fly Jordan	Jordan	-	-	-	
AIIA- The Royal Jordanian	Jordan	-	-	-	Yes
JSC Air Astana	Kazakhstan	-	-	-	
JSC SCAT Airlines	Kazakhstan	-	-	-	Yes
JSC QAZAQ AIR	Kazakhstan	-	-	-	Yes
ASTRAL AVIATION LTD	Kenya	-	-	-	
Kenya Airways PLC	Kenya	-	-	-	
JAZEERA AIRWAYS K.S.C.P	Kuwait	667,205	27	667,178	
Kuwait Airways	Kuwait	1,819,408	2,503	1,816,905	
Lao Airlines State Enterprise	Lao People's Democratic Republic	56,603		56,603	Yes
Air Baltic Corporation AS	Latvia	558,610	538,495	20,115	
SmartLynx Airlines	Latvia	86,274	61,921	24,353	
MIDDLE EAST AIRLINES	Lebanon	615,147	8,980	606,167	
Avion Express	Lithuania	-	-	-	
GetJet Airlines	Lithuania	-	-	-	

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		Total per Aeroplane Operator	Total subject to offsetting requirements	Total not subject to offsetting requirements	
KlasJet	Lithuania	12,718	11,202	1,516	
Heston Airlines, UAB	Lithuania	-	-	-	Yes
Cargolux Airlines International	Luxembourg	3,573,609	1,882,591	1,691,018	
Global Jet Luxembourg	Luxembourg	48,083	35,515	12,568	
Luxair Société de Navigation Aérienne	Luxembourg	323,016	273,331	49,685	
Jetfly Aviation S.A.	Luxembourg	12,405	12,225	180	
AIR MADAGASCAR (Madagascar Airlines)	Madagascar	26,089	26,067	22	
Malaysia Airlines Berhad	Malaysia	-	-	-	
Air Asia Berhad	Malaysia	-	-	-	
Air Asia X Berhad	Malaysia	-	-	-	
Malindo Airways Sdn Bhd	Malaysia	-	-	-	
Flyfirefly Sdn Bhd	Malaysia	-	-	-	
M Jets International Sdn Bhd	Malaysia	-	-	-	Yes
Raya Airways Sdn Bhd	Malaysia	-	-	-	Yes
World Cargo Airline Sdn Bhd	Malaysia	-	-	-	Yes
Island Aviation Services Limited	Maldives	-	-	-	Yes
Elitavia Malta Ltd.	Malta	62,734	11,920	50,814	
Air Malta plc.	Malta	210,206	209,901	305	
Maleth Aero AOC Ltd.	Malta	21,933	13,907	8,027	
VistaJet Ltd.	Malta	356,485	263,565	92,920	
Air X Charter Ltd.	Malta	104,186	85,093	19,092	
Albinati Aviation Ltd.	Malta	11,299	9,278	2,021	
Touristic Aviation Services Ltd. dba 'Corendon Airlines Europe'	Malta	235,327	169,534	65,793	
Comlux Malta Ltd	Malta	30,060	24,696	5,364	
Hi Fly Ltd	Malta	48,166	36,292	11,874	
Freebird Airlines Europe Ltd	Malta	65,664	50,905	14,759	
TAG Aviation (Malta) Ltd	Malta	11,250	7,853	3,397	
Avcon Jet Malta Ltd	Malta	11,308	7,840	3,468	
Hyperion Aviation Ltd	Malta	11,119	8,369	2,750	
Smartlynx Airlines Malta Ltd	Malta	14,182	11,875	2,307	
Flexjet Operations Malta Ltd	Malta	24,947	23,346	1,601	
Skyfirst Ltd	Malta	10,341	7,072	3,268	
Air Horizont Ltd.	Malta	23,189	16,270	6,919	
Challenge Air Cargo Ltd	Malta	14,705	9,884	4,821	
Galistair Trading Limited	Malta	67,415	49,296	18,119	
Skyup MT Ltd	Malta	25,418	475	24,943	
Wizz Air Malta Limited	Malta	1,204,768	1,174,656	30,112	
MAURITANIA AIRLINES	Mauritania	44,975	10,933	34,042	Yes
Air Mauritius Ltd	Mauritius	548,802	8	548,794	
Grupo Aéreo Monterrey S.A. de C.V.	Mexico	19,313	16,001	3,312	Yes
AEROTRANSPORTES DE CARGA UNIÓN S.A. DE C.V.	Mexico	75,728	59,202	16,526	
AEROVIAS DE MÉXICO S.A. DE C.V.	Mexico	2,297,628	1,897,129	400,499	
AEROLITORAL S.A. DE C.V.	Mexico	131,837	120,050	11,787	
AEROTRANSPORTES MAS DE CARGA S.A. DE C.V.	Mexico	224,154	118,701	105,453	
AEROENLACES NACIONALES S.A. DE C.V.	Mexico	344,617	285,273	59,344	

Aeroplane Operator	State	2023 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	
AEROLÍNEAS EJECUTIVAS, S.A. DE C.V.	Mexico	20,302	20,060	242	Yes
AERONAVES TSM, S.A. DE C.V.	Mexico	72,613	68,217	4,396	
Servicios Aéreos Across, S.A. de C.V.	Mexico	10,516	10,317	199	
CONCESIONARIA VUELA COMPAÑÍA DE AVIACIÓN S.A.P.I DE C.V.	Mexico	952,412	861,493	90,919	
MIAT Mongolian Airlines	Mongolia	176,417	876	175,541	Yes
ToMontenegro	Montenegro	-	-	-	Yes
Royal Air Maroc	Morocco	-	-	-	
Air Arabia Maroc	Morocco	-	-	-	Yes
Linhas Aéreas de Mocambique-LAM	Mozambique	-	-	-	Yes
Mozambique Expresso ,SA-MEX	Mozambique	-	-	-	Yes
Nepal Airlines Corporation	Nepal	157,983	505	157,478	Yes
Himalaya Airlines Pvt. Ltd.	Nepal	122,650	15	122,635	Yes
Corendon Dutch Airlines B.V	Netherlands	94,319	78,935	15,384	
Koningklijke Luchtvaart Maatschappij N.V.	Netherlands	8,114,293	5,680,018	2,434,275	
Martinair Holland N.V	Netherlands	511,814	245,473	266,341	
Transavia Airlines C.V.	Netherlands	1,158,115	1,060,634	97,482	
TUI Airlines Nederland B.V. (TUIfly)	Netherlands	358,216	307,640	50,576	
Air New Zealand Ltd	New Zealand	-	-	-	
Air Peace	Nigeria	-	-	-	
Norwegian Air Shuttle AOC AS	Norway	812,291	810,552	1,739	
Wideroe AS	Norway	30,168	30,168		
Norse Atlantic Airways AS	Norway	252,611	252,052	559	
Oman Air	Oman	-	-	-	Yes
Salam Air	Oman	-	-	-	
Pakistan International Airlines Corporation	Pakistan	1,070,150	3,126	1,067,024	
Airblue Limited	Pakistan	213,393	550	212,843	Yes
Serene Air (Pvt) Limited	Pakistan	156,884	76	156,808	Yes
Air Sial Limited	Pakistan	54,220		54,220	Yes
COMPAÑÍA PANAMEÑA DE AVIACIÓN, S.A.	Panama	2,820,353	9,869	2,810,484	
DHL AERO EXPRESO, S.A.	Panama	150,181	15,877	134,304	
Transportes Aéreos del Mercosur S.A. (Db. LATAM Airlines Paraguay)	Paraguay	-		-	
Compañía de Aviacion Paraguaya S.A. DBA PARANAIR	Paraguay	-		-	Yes
Lan Perú	Peru	1,063,389	94	1,063,295	
Aerolinea del Caribe Peru SAC	Peru	16,966		16,966	
Sky Airline	Peru	120,023		120,023	
CEBU AIR INC.	Philippines	-	-	-	
PHILIPPINE AIRLINES INC.	Philippines	-	-	-	
PHILIPPINES AIR ASIA INC.	Philippines	-	-	-	
Polskie Linie Lotnicze LOT S.A.	Poland	2,041,823	1,848,313	193,510	
Enter Air Sp. z o.o.	Poland	625,675	419,181	206,494	

Aeroplane Operator	State	2023 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	
Smartwings Poland Sp. z o.o.	Poland	98,370	66,053	32,317	
Ryanair Sun S.A.	Poland	162,986	158,487	4,498	
AMC Aviation Sp. z o.o.	Poland	27,636	23,469	4,167	
EJME (PORTUGAL) Aircraft Management, Lda	Portugal	10,601	8,620	1,981	
EUROATLANTIC Airways - Transportes Aéreos, S.A.	Portugal	25,068	12,246	12,822	
ORBEST AIRLINES, S.A.	Portugal	30,495	29,841	654	
NetJets Transportes Aéreos S.A.	Portugal	253,417	237,820	15,597	
SATA INTERNACIONAL Azores Airlines, S.A.	Portugal	137,336	122,363	14,973	
WORLD 2 FLY PORTUGAL, S.A	Portugal	35,870	35,626	243	
TAP Air Portugal	Portugal	3,416,506	1,934,495	1,482,011	
AMIRI FLIGHT	Qatar	-	-	-	
Qatar Airways (Q.C.S.C.)	Qatar	-	-	-	
Qatar Executive W.L.L.	Qatar	-	-	-	
Aero K	Republic of Korea	20,071	16,069	4,003	
Korean Air	Republic of Korea	11,031,934	9,404,290	1,627,644	
Asiana Airlines	Republic of Korea	5,022,284	4,127,893	894,391	
Jejuair	Republic of Korea	1,179,446	856,464	322,982	
Air Busan	Republic of Korea	405,190	252,038	153,153	
Eastar Jet	Republic of Korea	33,079	24,393	8,686	
T'way Air	Republic of Korea	910,816	625,577	285,239	
Air Seoul	Republic of Korea	190,675	116,785	73,890	
Air Incheon	Republic of Korea	71,905	4,921	66,984	
Jin Air	Republic of Korea	764,179	565,287	198,891	
Air Premia	Republic of Korea	331,648	308,894	22,754	
HiSky SRL	Republic of Moldova	-	-	-	
AEROTRASCARGO SRL	Republic of Moldova	-	-	-	
Fly One SRL	Republic of Moldova	-	-	-	Yes
Fly Pro SRL	Republic of Moldova	-	-	-	Yes
Terra Avia SRL	Republic of Moldova	-	-	-	
Romcargo Airlines S.R.L.	Romania	54,813	14,166	40,648	Yes
TAROM	Romania	210,043	183,970	26,073	Yes
ANIMA WINGS AVIATION S.A	Romania	25,790	21,654	4,136	Yes
HISKY EUROPE	Romania	160,390	123,332	37,058	Yes
RWANDAIR LIMITED	Rwanda	-	-	-	Yes
FLYNAS	Saudi Arabia	-	-	-	Yes
SAUDI ARABIAN AIRLINES	Saudi Arabia	-	-	-	Yes
Flyadeal	Saudi Arabia	-	-	-	Yes
Alpha Star Aviation Services	Saudi Arabia	-	-	-	Yes
AIR SENEGAL SA	Senegal	189,497	4,586	184,911	
AIR SERBIA	Serbia	571,230	478,956	92,273	Yes
Air Seychelles Ltd	Seychelles	34,999	3,053	31,945	
Singapore Airlines Limited	Singapore	12,403,462	9,901,609	2,501,853	
Scoot Tigerair Pte Ltd	Singapore	2,127,795	1,280,254	847,542	
Jetstar Asia Airways Private Limited	Singapore	199,835	190,013	9,822	
AirExplore	Slovakia	16,410	3,680	12,731	
Smartwings Slovakia (Travel Service)	Slovakia	52,632	33,920	18,712	
South African Airways SOC Ltd	South Africa	98,801		98,801	Yes

Aeroplane Operator	State	2023 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	
SA Airlink	South Africa	281,478	19	281,459	Yes
Safair Operations (Pty) Ltd	South Africa	21,084	167	20,917	Yes
AIR EUROPA LÍNEAS AÉREAS S.A.U.	Spain	1,951,423	907,793	1,043,630	
AIR NOSTRUM LINEAS AEREAS DEL MEDITERRANEO	Spain	195,847	178,087	17,761	
ALBA STAR S.A.	Spain	58,580	32,517	26,063	
BINTER CANARIAS, S.A.U	Spain	23,742	12,252	11,490	Yes
EVELOP AIRLINES, S.L.	Spain	263,607	244,193	19,415	
GESTAIR, S.A.U.	Spain	22,870	19,385	3,485	
IBERIA LÍNEAS AÉREAS DE ESPAÑA SA OPERADORA SU	Spain	4,816,174	2,963,782	1,852,393	
COMPAÑÍA OPERADORA DE CORTO Y MEDIO RADIO IBERIA EXPRESS S.A.	Spain	245,255	239,894	5,361	
PLUS ULTRA LÍNEAS AÉREAS S.A	Spain	242,936	17,279	225,657	
PRIVILEGE STYLE S.A	Spain	22,370	15,585	6,784	
SWIFTAIR, S.A.	Spain	41,193	35,590	5,603	
VOLOTEA, S.A.	Spain	441,508	395,414	46,094	
VUELING AIRLINES S.A.	Spain	1,838,317	1,743,471	94,846	
World 2 Fly, S.L.U.	Spain	211,806	206,920	4,885	
SriLankan Airlines	Sri Lanka	1,225,050	2,137	1,222,913	
Fits Aviation	Sri Lanka	29,227	402	28,825	Yes
surinam airways	Suriname	-	-	-	Yes
Fly Always n.v.	Suriname	-	-	-	Yes
SAS	Sweden	2,545,223	2,467,324	77,899	
TUIFLY NORDIC AB	Sweden	182,087	167,750	14,337	
Nova Airlines AB	Sweden	49,179	46,849	2,330	
Norwegian Air Sweden AOC AB	Sweden	861,910	853,251	8,660	
Braathens International Airways AB	Sweden	62,518	59,912	2,607	
Chair Airlines AG	Switzerland	70,268	49,518	20,750	
easyJet Switzerland	Switzerland	583,114	530,493	52,621	
Edelweiss Air AG	Switzerland	863,275	685,947	177,328	
Nomad Aviation	Switzerland	18,820	10,936	7,884	Yes
Swiss International Airlines	Switzerland	4,039,706	3,127,828	911,879	
Helvetic Airways AG	Switzerland	12,028	11,193	835	Yes
NOK AIR Public Company Limited	Thailand	19,664	143	19,521	Yes
Bangkok Airways Public Company Limited	Thailand	64,208	51,664	12,544	
K-Mile Air Company Limited	Thailand	54,229	19,344	34,885	Yes
Thai Air Asia X Company Limited	Thailand	442,141	423,401	18,740	
Thai AirAsia Company Limited	Thailand	811,058	293,967	517,091	
Thai Airways International Public Company Limited	Thailand	4,186,722	3,386,136	800,586	
Thai Lion Mentari Company Limited	Thailand	185,405	36,370	149,035	
Thai Viet Jet Air Joint Stock Company Limited	Thailand	219,963	87,956	132,007	
ASKY	Togo	-	-	-	

Aeroplane Operator	State	2023 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	
CARIBBEAN AIRLINES LIMITED	Trinidad and Tobago	-	-	-	Yes
Tunisair	Tunisia	422,691	1,831	420,860	Yes
Nouvelair	Tunisia	280,514	269	280,245	Yes
Air ACT	Türkiye	55,098	16,036	39,062	
Freebird Airlines	Türkiye	301,780	296,354	5,426	
MNG Airlines	Türkiye	325,814	220,964	104,850	
Pegasus Airlines	Türkiye	2,237,385	1,806,064	431,321	
SunExpress	Türkiye	1,563,437	1,550,737	12,700	
Tailwind Airlines	Türkiye	192,822	175,612	17,210	
Turkish Airlines	Türkiye	17,991,797	12,194,637	5,797,160	
Corendon Airlines	Türkiye	489,729	384,684	105,045	
CORTEX HAVACILIK VE TURIZM TICARET A.S	Türkiye	233,589	73,083	160,506	
AIR ANKA HAVAYOLLARI AS	Türkiye	19,074		19,074	Yes
Turkmenistan Airlines OJSC	Turkmenistan	200,499	333	200,166	
"SKYLINE EXPRESS AIRLINES", LCC	Ukraine	35,462	2,772	32,690	
Motor Sich JSC	Ukraine	6,890	3,061	3,829	
LLC "Maximus Airlines"	Ukraine	29,941	11,472	18,469	
Limited Liability Company "SkyUp Airlines"	Ukraine	29,565	2,705	26,860	
Limited Liability Company "Aircompany "ZetAvia"	Ukraine	17,577	7,000	10,577	
Antonov Company	Ukraine	198,803	118,823	79,980	
AIR ARABIA PJSC	United Arab Emirates	-	-	-	
AIR ARABIA ABU DHABI LLC	United Arab Emirates	-	-	-	
Dubai Air wing	United Arab Emirates	-	-	-	
Emirates	United Arab Emirates	-	-	-	
Etihad Airways	United Arab Emirates	-	-	-	
Dubai Aviation Corporation - flydubai	United Arab Emirates	-	-	-	
Royal Jet	United Arab Emirates	-	-	-	Yes
Wizz Air Abu Dhabi LLC	United Arab Emirates	-	-	-	
AIRTANKER SERVICES LTD	United Kingdom	34,354	14,773	19,581	Yes
BRITISH AIRWAYS PLC	United Kingdom	14,702,182	11,246,302	3,455,880	
CAYMAN AIRWAYS	United Kingdom	39,140	38,066	1,075	Yes
DHL AIR LTD	United Kingdom	879,977	678,832	201,145	
EASYJET UK LTD	United Kingdom	3,645,891	3,417,272	228,619	
INTERCARIBBEAN AIRWAYS LTD	United Kingdom	35,244	22,001	13,243	Yes
JET2.COM LTD	United Kingdom	2,783,123	2,783,123		
LOGANAIR LIMITED	United Kingdom	11,679	11,679		
TAG AVIATION (UK) LTD	United Kingdom	10,524	8,105	2,420	
TITAN AIRWAYS LTD	United Kingdom	68,113	36,492	31,622	
TUI AIRWAYS LTD	United Kingdom	2,363,096	2,069,038	294,058	
VIRGIN ATLANTIC AIRWAYS LTD	United Kingdom	3,491,768	2,727,796	763,973	
WIZZ AIR UK LTD	United Kingdom	535,403	480,606	54,797	
RYANAIR UK LIMITED	United Kingdom	333,616	241,256	92,360	
Alaska Airlines, Inc.	United States	472,047	471,785	262	
American Airlines, Inc	United States	12,666,572	10,337,960	2,328,612	

Aeroplane Operator	State	2023 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	
Atlas Air, Inc.	United States	4,068,259	1,798,561	2,269,698	
Delta Air Lines, Inc.	United States	12,777,588	11,373,945	1,403,643	
Endeavor Air, Inc.	United States	132,466	132,466		Yes
Executive Jet Management, Inc.	United States	69,055	63,207	5,848	
Federal Express Corporation d/b/a FedEx Express	United States	5,567,054	3,028,178	2,538,876	
FlexJet, LLC	United States	97,231	92,064	5,167	
Frontier Airlines	United States	312,316	312,316		Yes
GoJet Airlines, LLC	United States	12,443	12,443		Yes
Hawaiian Airlines Inc.	United States	609,706	609,706		
JetBlue Airways Corporation	United States	2,165,756	1,911,879	253,877	Yes
Kalitta Air, LLC	United States	2,394,562	1,105,964	1,288,598	
Mesa Air Group	United States	108,371	108,371		Yes
NetJets Aviation, Inc.	United States	243,284	225,680	17,604	
Piedmont Airlines, Inc.	United States	31,382	31,382		
Polar Air Cargo Worldwide, Inc.	United States	1,621,990	959,966	662,024	
PSA Airlines, Inc	United States	46,397	46,397		
Republic Airways Inc.	United States	123,171	123,054	117	
SkyWest Airlines, Inc.	United States	174,955	174,921	34	
Southwest Airlines Co.	United States	611,426	611,426		
Spirit Airlines, Inc.	United States	731,739	508,492	223,246	
United Airlines, Inc.	United States	17,635,981	14,935,919	2,700,063	
United Parcel Service Co. (UPS Airlines)	United States	4,494,006	2,215,788	2,278,218	
ABX Air Inc	United States	136,931	54,826	82,104	Yes
Amerijet International	United States	120,840	89,823	31,017	Yes
Asia Pacific	United States	14,553	14,553		Yes
Caribbean Sun Airlines, Inc. d/b/a World Atlantic Airlines	United States	19,526	19,443	82	Yes
Envoy Air Inc	United States	145,979	138,321	7,658	
Gulf And Caribbean Cargo	United States	22,936	22,936		Yes
Kalitta Charters II	United States	13,091	9,928	3,163	Yes
National Air Cargo Group Inc d/b/a National Airlines	United States	435,152	169,281	265,871	Yes
Northern Air Cargo Inc.	United States	111,977	72,369	39,609	Yes
Omni Air International	United States	295,532	255,552	39,980	
Sky Lease Cargo	United States	145,422	13,247	132,175	Yes
Sun Country Airlines d/b/a MN Airlines	United States	98,516	98,516		Yes
Swift Air, LLC d/b/a Eastern Air Lines d/b/a Eastern	United States	89,587	67,181	22,406	Yes
USA Jet Airlines Inc.	United States	19,166	19,166		Yes
Western Air Charter, Inc. d/b/a Jet Edge	United States	16,977	15,919	1,059	Yes
Western Global	United States	249,931	190,433	59,498	Yes
Air Wisconsin Airlines Corp	United States	15,375.00	15,375.00		Yes
Global Crossing Airlines, Inc,	United States	36,188.00	34,128.00	2,060.00	Yes
Silver Airways, LLC	United States	13,983.00	12,435.00	1,547.00	Yes
The Boeing Company	United States	10,276.00	9,296.00	980.00	Yes
Uzbekistan Airways	Uzbekistan	1,138,146.00	1,448.00	1,136,698.00	Yes
Air Vanuatu (Operations) Limited	Vanuatu	-	-	-	Yes
Pacific Airlines JSC	Viet Nam	-	-	-	
BamBoo Airways	Viet Nam	-	-	-	

Aeroplane Operator	State	2023 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	
Vietnam Airlines JSC	Viet Nam	-	-	-	
Vietjet Aviation JSC	Viet Nam	-	-	-	
Proflight Commuter Services Ltd	Zambia	19,320.00	124.00	19,196.00	
Fastjet ZW	Zimbabwe	-	-	-	Yes

End of Part III - Table 2

APPENDIX Status of 2023 CO₂ Emissions Reports

(As 31 October 2024)

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	2023 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	
Belarus	Reported
Belgium	Reported
Belize	
Benin	
Bhutan	Reported
Bolivia (Plurinational State of)	Reported
Bosnia and Herzegovina	
Botswana	
Brazil	Reported
Brunei Darussalam	Reported
Bulgaria	Reported
Burkina Faso	
Burundi	
Cabo Verde	Reported
Cambodia	Reported
Cameroon	
Canada	Reported

Member State	2023 CO ₂ Emissions Report
Central African Republic	
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	Reported
Greece	Reported
Grenada	
Guatemala	Reported
Guinea	
Guinea-Bissau	
Guyana	
Haiti	Gap filling
Honduras	

Member State	2023 CO ₂ Emissions Report
Hungary	Reported
Iceland	Reported
India	Reported
Indonesia	Reported
Iran (Islamic Republic of)	Reported
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	Reported
Latvia	Reported
Lebanon	Reported
Lesotho	
Liberia	
Libya	Gap filling
Lithuania	Reported
Luxembourg	Reported
Madagascar	Reported
Malawi	Gap filling
Malaysia	Reported
Maldives	Reported
Mali	
Malta	Reported
Marshall Islands	
Mauritania	Reported
Mauritius	Reported
Mexico	Reported
Micronesia (Federated States of)	
Monaco	
Mongolia	Reported
Montenegro	Reported
Morocco	Reported
Mozambique	Reported
Myanmar	Gap filling
Namibia	
Nauru	Gap filling

Member State	2023 CO ₂ Emissions Report
Nepal	Reported
Netherlands	Reported
New Zealand	Reported
Nicaragua	
Niger	
Nigeria	Reported
North Macedonia	
Norway	Reported
Oman	Reported
Pakistan	Reported
Palau	
Panama	Reported
Papua New Guinea	Gap filling
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	Gap filling
Somalia	
South Africa	Reported
South Sudan	
Spain	Reported
Sri Lanka	Reported

Member State	2023 CO₂ Emissions Report
Sudan	
Suriname	Reported
Sweden	Reported
Switzerland	Reported
Syrian Arab Republic	Gap filling
Tajikistan	Gap filling
Thailand	Reported
Timor-Leste	
Togo	Reported
Tonga	
Trinidad and Tobago	Reported
Tunisia	Reported
Türkiye	Reported
Turkmenistan	Reported
Tuvalu	
Uganda	Gap filling
Ukraine	Reported
United Arab Emirates	Reported
United Kingdom	Reported
United Republic of Tanzania	Reported
United States	Reported
Uruguay	
Uzbekistan	Reported
Vanuatu	Reported
Venezuela (Bolivarian Republic of)	Gap filling
Viet Nam	Reported
Yemen	Gap filling
Zambia	Reported
Zimbabwe	Reported

- END -