

別添（Annex）8 共通報告表

我が国の 2023 年度の温室効果ガス排出量及び吸収量を示す共通報告表 (CRT) の Summary2 Table を以下に掲載する。その他の表については以下の温室効果ガスインベントリオフィスのウェブサイトから入手可能である。

<https://www.nies.go.jp/gio/archive/crf/index.html>

表 A 8-1 我が国の 2023 年度の温室効果ガス排出量及び吸収量

SUMMARY 2 SUMMARY REPORT FOR CO₂ EQUIVALENT EMISSIONS
(Sheet 1 of 1)2023
JPN-CRT-2025-V0.4
Japan

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ ⁽¹⁾	CH ₄	N ₂ O	HFCs	PFCs	Unspecified mix of HFCs and PFCs	SF ₆	NF ₃	Total
	CO ₂ equivalents (kt) ⁽²⁾								
Total (net emissions)⁽¹⁾	936,202.29	29,479.29	16,224.58	31,698.06	3,054.93	NA,NO	2,066.84	206.09	1,018,932.09
1. Energy	938,279.58	1,839.03	4,420.11						944,538.72
1.A. Fuel combustion	937,943.92	1,037.20	4,419.58						943,400.70
1.A.1. Energy industries	409,689.17	207.15	1,564.94						411,461.26
1.A.2. Manufacturing industries and construction	222,928.94	510.99	1,063.83						224,503.76
1.A.3. Transport	183,564.22	96.85	1,353.94						185,015.01
1.A.4. Other sectors	121,761.59	222.21	436.87						122,420.67
1.A.5. Other	NO	NO	NO						NO
1.B. Fugitive emissions from fuels	335.66	801.83	0.53						1,138.03
1.B.1. Solid fuels	0.41	511.04	0.43						511.89
1.B.2. Oil and natural gas and other emissions from energy production	335.25	290.79	0.10						626.14
1.C. CO ₂ transport and storage	NO								NO
2. Industrial processes and product use	38,579.48	35.41	488.80	31,698.06	3,054.93	NA,NO	2,066.84	206.09	76,129.62
2.A. Mineral industry	26,839.12	NA	NA						26,839.12
2.B. Chemical industry	3,182.94	19.24	316.58	87.63	36.71	NA,NO	23.50	13.52	3,680.13
2.C. Metal industry	5,028.11	16.17	NA	1.73	NA,NE,NO	NA,NO	216.74	NO	5,262.75
2.D. Non-energy products from fuels and solvent use	2,592.06	NE,NO	NE,NO						2,592.06
2.E. Electronic Industry			77.57	98.26	1,260.61	NA,NO	345.17	192.57	1,974.18
2.F. Product uses as ODS substitutes				31,504.54	1,681.89	NO	NO	NO	33,186.44
2.G. Other product manufacture and use	NA	NA	94.65	5.91	75.72	NO	1,481.43	NO	1,657.70
2.H. Other	937.24	NA,NO	NA,NO	NO	NO	NO	NO	NO	937.24
3. Agriculture	379.34	24,224.74	7,760.91						32,364.99
3.A. Enteric fermentation		8,635.60							8,635.60
3.B. Manure management		2,646.34	3,388.97						6,035.31
3.C. Rice cultivation		12,914.69							12,914.69
3.D. Agricultural soils			NO	4,364.30					4,364.30
3.E. Prescribed burning of savannahs			NO	NO					NO
3.F. Field burning of agricultural residues		28.10	7.64						35.74
3.G. Liming	203.21								203.21
3.H. Urea application	176.13								176.13
3.I. Other carbon-containing fertilizers	NO								NO
3.J. Other	NO	NO	NO						NO
4. Land use, land-use change and forestry⁽¹⁾	-50,707.84	87.13	419.88						-50,200.82
4.A. Forest land	-57,767.72	11.63	121.25						-57,634.83
4.B. Cropland	4,527.63	42.38	17.13						4,587.15
4.C. Grassland	653.01	16.56	12.31						681.88
4.D. Wetlands	-324.84	NA,NE	NA,NE						-324.84
4.E. Settlements	2,953.73	16.56	240.64						3,210.93
4.F. Other land	801.37	NA,NO	28.55						829.91
4.G. Harvested wood products	-1,550.92								-1,550.92
4.H. Other	-0.10	NO	NO						-0.10
5. Waste	9,671.72	3,292.98	3,134.88						16,099.58
5.A. Solid waste disposal		1,534.12							1,534.12
5.B. Biological treatment of solid waste		76.98	203.08						280.06
5.C. Incineration and open burning of waste	9,074.45	9.50	1,187.68						10,271.63
5.D. Waste water treatment and discharge		1,672.37	1,744.12						3,416.50
5.E. Other	597.28	NA	NA						597.28
6. Other (as specified in summary 1)	NA	NA	NA	NA	NA	NO	NO	NO	NA,NO
Memo items:⁽³⁾									
1.D.1. International bunkers	36,413.89	41.03	259.12						36,714.03
1.D.1.a. Aviation	21,897.85	4.22	159.57						22,061.64
1.D.1.b. Navigation	14,516.03	36.81	99.55						14,652.39
1.D.2. Multilateral operations	NO	NO	NO						NO
1.D.3. CO ₂ emissions from biomass	72,041.25								72,041.25
1.D.4. CO ₂ captured	NO								NO
5.F.1. Long-term storage of C in waste disposal sites	NE								NE
Indirect N₂O			1,808.28						
Indirect CO₂⁽⁴⁾	1,806.54								
Total CO₂ equivalent emissions without LULUCF									1,069,132.91
Total CO₂ equivalent emissions with LULUCF									1,018,932.09
Total CO₂ equivalent emissions, including indirect CO₂, without LULUCF									1,070,939.45
Total CO₂ equivalent emissions, including indirect CO₂, with LULUCF									1,020,738.63

⁽¹⁾ For CO₂ from LULUCF, the net emissions/removals are to be reported. For reporting purposes, the signs are always negative (-) for removals and positive (+) for emissions.

⁽²⁾ As per decision 18/CMA.1, annex, para. 37, each Party shall use the 100-year time-horizon GWP values from the IPCC Fifth Assessment Report, or 100-year time-horizon GWP values from a subsequent IPCC assessment report as agreed upon by the CMA, to report aggregate emissions and removals of GHGs, expressed in CO₂ eq. Each Party may in addition also use other metrics (e.g. global temperature potential) to report supplemental information on aggregate emissions and removals of GHGs, expressed in CO₂ eq. In such cases, the Party shall provide in the national inventory document information on the values of the metrics used and the IPCC assessment report they were sourced from.

⁽³⁾ Parties are asked to report emissions from international aviation and international navigation and multilateral operations, as well as CO₂ emissions from biomass and CO₂ captured, under memo items. These emissions should not be included in the national total emissions from the energy sector. Amounts of biomass used as fuel are included in the national energy consumption but the corresponding CO₂ emissions are not included in the national total as it is assumed that the biomass is produced in a sustainable manner. If the biomass is harvested at an unsustainable rate, net CO₂ emissions are accounted for as a loss of biomass stocks in the Land Use, Land-use Change and Forestry sector.

⁽⁴⁾ In accordance with the modalities, procedures and guidelines (chapter II), for Parties that decide to report indirect CO₂, the national totals shall be provided with and without indirect CO₂.

Note: Minimum level of aggregation is needed to protect confidential business and military information, where it would identify particular entity's/entities' confidential data.