

BR CTF submission workbook

Submission Year	2014	Party	UNITED STATES OF AMERICA
Submission Version	v3.0	Submission Level	Submitted
Submission Key	USA_2014_V3.0	Submission Status	Closed
Submitted By	Andrew Rakes	Workbook Created	20.03.2014 03:30:18
Submitted Date	20.03.2014 03:29:15		

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Table 1

Emission trends: summary ⁽¹⁾

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GREENHOUSE GAS EMISSIONS	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	4,314,282.25	4,259,557.00	4,380,015.92	4,491,221.69	4,529,295.18	4,626,292.07	4,784,332.33	4,896,039.61	4,995,333.97
CO ₂ emissions excluding net CO ₂ from LULUCF	5,100,693.96	5,050,586.77	5,156,917.29	5,267,905.06	5,354,587.92	5,416,155.70	5,602,445.17	5,677,606.09	5,715,760.67
CH ₄ emissions including CH ₄ from LULUCF	639,925.78	641,028.36	643,566.42	635,259.72	646,411.15	636,235.27	639,466.70	623,115.10	611,150.96
CH ₄ emissions excluding CH ₄ from LULUCF	637,439.98	638,854.76	640,320.57	633,237.91	640,411.10	632,868.13	629,910.90	621,222.24	608,612.76
N ₂ O emissions including N ₂ O from LULUCF	344,333.11	353,089.78	359,188.93	399,980.72	377,621.32	388,740.62	406,568.71	389,532.64	366,415.37
N ₂ O emissions excluding N ₂ O from LULUCF	341,253.70	350,239.87	355,368.75	396,950.15	371,255.88	384,621.23	397,395.46	386,598.96	363,135.88
HFCs	36,924.10	33,540.69	38,282.65	39,503.73	45,592.64	64,035.14	73,986.13	84,503.54	101,185.43
PFCs	20,645.87	17,774.74	16,539.87	16,507.74	15,167.42	15,587.02	16,600.19	15,222.69	14,029.04
SF ₆	32,634.53	31,252.92	31,446.62	30,902.91	29,402.59	27,959.51	27,202.99	25,449.29	22,449.19
Total (including LULUCF)	5,388,745.64	5,336,243.49	5,469,040.41	5,613,376.51	5,643,490.31	5,758,849.63	5,948,157.05	6,033,862.86	6,110,563.96
Total (excluding LULUCF)	6,169,592.14	6,122,249.75	6,238,875.76	6,385,007.49	6,456,417.56	6,541,226.73	6,747,540.84	6,810,602.80	6,825,172.96

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	5,267,347.08	5,228,471.08	5,331,849.06	5,438,924.70	5,523,870.28	5,575,988.21	5,765,836.29	5,838,510.93	5,872,327.30
2. Industrial Processes	316,147.45	297,374.07	302,260.37	301,737.95	311,819.03	339,357.00	350,404.17	354,139.01	358,373.87
3. Solvent and Other Product Use	4,404.02	4,281.69	4,037.02	4,587.52	4,587.52	4,587.52	4,587.52	4,879.50	4,879.50
4. Agriculture	413,861.23	422,904.55	430,324.88	470,009.72	447,386.14	459,501.19	468,138.22	462,923.43	446,497.03
5. Land Use, Land-Use Change and Forestry ^b	-780,846.50	-786,006.26	-769,835.35	-771,630.98	-812,927.25	-782,377.09	-799,383.79	-776,739.94	-714,609.00
6. Waste	167,832.35	169,218.36	170,404.44	169,747.60	168,754.59	161,792.82	158,574.64	150,149.94	143,095.27
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	5,388,745.64	5,336,243.49	5,469,040.41	5,613,376.51	5,643,490.31	5,758,849.63	5,948,157.05	6,033,862.86	6,110,563.96

Note: All footnotes for this table are given on sheet 3.

¹ The common tabular format will be revised, in accordance with relevant decisions of the Conference of the Parties and, where applicable, with decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol."

Table 1

Emission trends: summary⁽¹⁾

(Sheet 2 of 3)

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GREENHOUSE GAS EMISSIONS	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
CO ₂ emissions including net CO ₂ from LULUCF	5,137,264.98	5,289,698.06	5,133,412.32	5,052,859.56	5,002,218.10	5,078,835.02	5,111,507.97	5,071,060.80	5,199,349.19	5,042,208.58
CO ₂ emissions excluding net CO ₂ from LULUCF	5,788,887.01	5,962,701.49	5,862,840.84	5,903,392.80	5,951,512.86	6,070,325.66	6,100,403.13	6,024,114.68	6,119,317.83	5,935,183.73
CH ₄ emissions including CH ₄ from LULUCF	607,013.82	608,926.99	602,027.78	598,326.85	602,392.54	589,604.73	593,648.28	614,783.46	618,629.08	618,779.46
CH ₄ emissions excluding CH ₄ from LULUCF	598,007.25	597,493.59	595,298.05	588,153.81	595,836.33	585,867.49	585,614.69	597,073.58	604,268.86	610,114.02
N ₂ O emissions including N ₂ O from LULUCF	370,320.15	358,771.16	358,610.42	364,082.85	351,857.91	361,232.39	356,091.39	368,782.10	376,073.19	349,720.57
N ₂ O emissions excluding N ₂ O from LULUCF	361,689.53	347,885.07	351,337.85	353,958.68	344,640.75	356,272.68	347,697.61	352,460.59	362,415.56	340,820.96
HFCs	99,929.63	104,964.81	101,117.37	108,117.90	103,719.25	113,176.87	115,002.68	115,974.25	119,973.45	117,451.89
PFCs	13,961.47	13,473.80	6,979.60	8,711.06	7,080.60	6,125.08	6,194.63	6,030.44	7,670.73	6,607.08
SF ₆	22,804.73	18,827.49	18,009.80	17,006.25	16,681.60	15,498.42	14,986.61	13,684.57	12,287.30	11,391.23
Total (including LULUCF)	6,251,294.78	6,394,662.32	6,220,157.29	6,149,104.47	6,083,950.01	6,164,472.52	6,197,431.56	6,190,315.62	6,333,982.94	6,146,158.81
Total (excluding LULUCF)	6,885,279.62	7,045,346.25	6,935,583.51	6,979,340.50	7,019,471.39	7,147,266.20	7,169,899.34	7,109,338.11	7,225,933.72	7,021,568.90

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq
1. Energy	5,939,695.89	6,119,611.96	6,036,684.00	6,066,626.69	6,118,942.18	6,227,873.36	6,251,617.44	6,178,349.41	6,266,903.09	6,096,242.58
2. Industrial Processes	353,861.72	352,433.19	318,640.90	327,850.26	315,830.55	327,129.19	330,765.41	335,697.57	347,231.31	318,710.08
3. Solvent and Other Product Use	4,879.50	4,879.50	4,879.50	4,387.15	4,387.15	4,387.15	4,387.15	4,387.15	4,387.15	4,387.15
4. Agriculture	447,946.62	432,176.83	443,651.11	447,878.18	442,108.05	453,308.70	446,188.00	454,620.11	470,900.79	463,583.76
5. Land Use, Land-Use Change and Forestry ^b	-633,984.84	-650,683.94	-715,426.23	-830,236.03	-935,521.38	-982,793.68	-972,467.78	-919,022.50	-891,950.78	-875,410.10
6. Waste	138,895.89	136,244.78	131,728.00	132,598.22	138,203.47	134,567.80	136,941.34	136,283.88	136,511.38	138,645.34
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total (including LULUCF)	6,251,294.78	6,394,662.32	6,220,157.29	6,149,104.47	6,083,950.01	6,164,472.52	6,197,431.56	6,190,315.62	6,333,982.94	6,146,158.81

Note: All footnotes for this table are given on sheet 3.

Emission trends: summary ⁽¹⁾
(Sheet 3 of 3)

GREENHOUSE GAS EMISSIONS	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
CO ₂ emissions including net CO ₂ from LULUCF	4,635,300.96	4,847,628.12	4,707,813.53	9.12
CO ₂ emissions excluding net CO ₂ from LULUCF	5,509,601.36	5,727,038.60	5,603,820.59	9.86
CH ₄ emissions including CH ₄ from LULUCF	603,777.56	592,710.43	587,235.17	-8.23
CH ₄ emissions excluding CH ₄ from LULUCF	598,076.49	588,041.55	573,063.23	-10.10
N ₂ O emissions including N ₂ O from LULUCF	338,714.51	343,917.52	356,886.99	3.65
N ₂ O emissions excluding N ₂ O from LULUCF	332,296.71	338,270.27	343,468.24	0.65
HFCs	111,949.05	121,275.07	128,951.68	249.23
PFCs	4,458.52	5,946.51	7,017.60	-66.01
SF ₆	9,815.90	10,070.11	9,379.53	-71.26
Total (including LULUCF)	5,704,016.51	5,921,547.77	5,797,284.50	7.58
Total (excluding LULUCF)	6,566,198.03	6,790,642.12	6,665,700.87	8.04

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt CO ₂ eq	kt CO ₂ eq	kt CO ₂ eq	(%)
1. Energy	5,699,176.63	5,889,117.78	5,745,698.03	9.08
2. Industrial Processes	265,319.84	303,439.65	326,461.30	3.26
3. Solvent and Other Product Use	4,387.15	4,387.15	4,387.15	-0.38
4. Agriculture	459,190.57	462,269.97	461,496.95	11.51
5. Land Use, Land-Use Change and Forestry ^b	-862,181.53	-869,094.35	-868,416.37	11.21
6. Waste	138,123.85	131,427.57	127,657.44	-23.94
7. Other	NA	NA	NA	0.00
Total (including LULUCF)	5,704,016.51	5,921,547.77	5,797,284.50	7.58

Notes :

(1) Further detailed information could be found in the common reporting format tables of the Party’s greenhouse gas inventory, namely “Emission trends (CO₂)”, “Emission trends (CH₄)”, “Emission trends (N₂O)” and “Emission trends (HFCs, PFCs and SF₆)”, which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO₂ eq equals 1 Gg CO₂ eq.

Abbreviation: LULUCF = land use, land-use change and forestry.

^a The column “Base year” should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^b Includes net CO₂, CH₄ and N₂O from LULUCF.

Custom Footnotes

Table 1 (a)

USA_BR1_v3.0

Emission trends (CO₂)
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	4,911,976.68	4,872,772.30	4,976,519.13	5,089,990.69	5,170,741.85	5,226,111.72	5,412,334.61	5,484,245.98	5,525,875.69
A. Fuel Combustion (Sectoral Approach)	4,873,918.02	4,834,499.06	4,938,526.88	5,048,656.81	5,129,366.13	5,183,184.46	5,371,912.32	5,444,270.86	5,495,895.65
1. Energy Industries	1,820,817.12	1,818,191.70	1,831,538.76	1,906,903.88	1,931,238.84	1,947,924.74	2,020,993.05	2,088,398.69	2,177,387.99
2. Manufacturing Industries and Construction	848,555.99	828,273.81	859,446.33	858,303.65	866,789.18	870,390.21	906,648.20	907,158.15	868,801.78
3. Transport	1,445,418.12	1,401,573.35	1,463,597.87	1,499,200.33	1,543,917.64	1,577,849.60	1,621,928.25	1,638,364.16	1,674,047.95
4. Other Sectors	557,309.28	571,993.32	574,119.16	585,859.54	579,027.15	578,216.84	617,416.71	598,167.15	546,978.38
5. Other	201,817.51	214,466.87	209,824.76	198,389.41	208,393.33	208,803.06	204,926.12	212,182.71	228,679.54
B. Fugitive Emissions from Fuels	38,058.66	38,273.24	37,992.25	41,333.89	41,375.71	42,927.26	40,422.28	39,975.12	29,980.04
1. Solid Fuels	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO
2. Oil and Natural Gas	38,058.66	38,273.24	37,992.25	41,333.89	41,375.71	42,927.26	40,422.28	39,975.12	29,980.04
2. Industrial Processes	188,717.28	177,814.47	180,398.17	177,914.37	183,846.08	190,043.98	190,110.57	193,360.11	189,884.98
A. Mineral Products	54,030.69	52,404.62	53,112.52	54,947.18	57,390.83	60,444.12	61,873.96	62,914.07	64,348.48
B. Chemical Industry	24,774.71	24,610.50	25,905.75	26,167.76	27,364.96	26,832.24	26,818.70	27,464.43	28,695.84
C. Metal Production	109,911.89	100,799.35	101,379.89	96,799.43	99,090.28	102,767.62	101,417.90	102,981.61	96,840.66
D. Other Production	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture									
A. Enteric Fermentation									
B. Manure Management									
C. Rice Cultivation									
D. Agricultural Soils									
E. Prescribed Burning of Savannas									
F. Field Burning of Agricultural Residues									
G. Other									
5. Land Use, Land-Use Change and Forestry	-786,411.70	-791,029.77	-776,901.37	-776,683.37	-825,292.74	-789,863.62	-818,112.84	-781,566.48	-720,426.70
A. Forest Land	-565,052.14	-564,307.51	-558,757.27	-564,024.58	-587,063.90	-597,140.53	-608,292.76	-570,477.04	-517,297.45
B. Cropland	-5,985.06	-16,809.84	-7,639.18	-10,023.61	-20,435.67	2,768.90	-5,248.04	-7,746.33	-1,296.97
C. Grassland	-12,948.83	-17,019.71	-16,557.72	-13,367.45	-27,733.65	-11,327.25	-27,705.00	-19,540.19	-20,244.47
D. Wetlands	1,033.48	962.28	919.55	980.58	937.87	1,017.94	872.25	1,037.48	1,084.22
E. Settlements	-47,495.47	-48,589.18	-49,682.89	-50,776.60	-51,870.31	-52,964.02	-54,057.73	-55,151.44	-56,245.15
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	-155,963.69	-145,265.81	-145,183.86	-139,471.70	-139,127.09	-132,218.67	-123,681.56	-129,688.95	-126,426.89
6. Waste	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
A. Solid Waste Disposal on Land	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Waste-water Handling									
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	4,314,282.25	4,259,557.00	4,380,015.92	4,491,221.69	4,529,295.18	4,626,292.07	4,784,332.33	4,896,039.61	4,995,333.97
Total CO2 emissions excluding net CO2 from LULUCF	5,100,693.96	5,050,586.77	5,156,917.29	5,267,905.06	5,354,587.92	5,416,155.70	5,602,445.17	5,677,606.09	5,715,760.67
Memo Items:									
International Bunkers	103,462.57	117,569.49	107,862.97	97,829.15	96,689.41	98,491.64	99,749.73	106,960.91	110,490.71
Aviation	38,033.60	46,339.14	46,769.35	46,889.85	48,342.47	49,903.00	51,029.10	54,485.17	54,080.46
Marine	65,428.97	71,230.35	61,093.62	50,939.30	48,346.94	48,588.64	48,720.63	52,475.74	56,410.25
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass	218,636.81	219,424.05	229,781.83	224,870.28	231,324.16	236,105.48	240,451.49	234,653.56	217,304.31

Note: All footnotes for this table are given on sheet 3.

Table 1 (a)

Emission trends (CO₂)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	5,601,482.77	5,777,296.93	5,695,045.39	5,736,040.05	5,789,216.83	5,902,457.68	5,934,056.22	5,853,547.56	5,946,413.61	5,774,919.28
A. Fuel Combustion (Sectoral Approach)	5,570,473.87	5,747,185.88	5,665,482.42	5,705,694.84	5,760,046.39	5,873,577.83	5,903,827.51	5,823,193.81	5,915,251.43	5,741,997.16
1. Energy Industries	2,190,523.00	2,296,890.10	2,257,925.58	2,272,680.88	2,304,169.42	2,337,043.46	2,402,142.06	2,346,406.47	2,412,826.58	2,360,919.64
2. Manufacturing Industries and Construction	844,615.05	844,268.07	837,047.12	824,031.80	822,784.48	846,630.63	823,408.24	848,133.70	844,420.34	802,039.69
3. Transport	1,730,141.07	1,775,023.92	1,759,576.67	1,802,183.86	1,793,353.31	1,839,740.82	1,864,177.09	1,866,595.77	1,879,300.98	1,790,964.97
4. Other Sectors	569,130.78	601,487.60	586,888.75	584,713.51	613,792.81	602,363.03	581,411.81	530,091.37	560,523.05	570,720.39
5. Other	236,063.98	229,516.18	224,044.30	222,084.78	225,946.36	247,799.90	232,688.31	231,966.50	218,180.48	217,352.47
B. Fugitive Emissions from Fuels	31,008.90	30,111.05	29,562.96	30,345.21	29,170.44	28,879.84	30,228.71	30,353.76	31,162.18	32,922.12
1. Solid Fuels	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO	IE, NE, NO
2. Oil and Natural Gas	31,008.90	30,111.05	29,562.96	30,345.21	29,170.44	28,879.84	30,228.71	30,353.76	31,162.18	32,922.12
2. Industrial Processes	187,404.24	185,404.56	167,795.45	167,352.75	162,296.03	167,867.98	166,346.91	170,567.12	172,904.22	160,264.44
A. Mineral Products	65,310.46	63,673.15	63,022.08	64,894.72	64,256.63	69,396.86	70,746.96	73,069.12	70,954.35	65,245.87
B. Chemical Industry	27,270.83	25,844.70	21,597.44	22,945.80	21,397.67	22,591.98	21,816.66	21,185.12	23,283.67	20,415.81
C. Metal Production	94,822.95	95,886.71	83,175.93	79,512.23	76,641.72	75,879.15	73,783.29	76,312.88	78,666.19	74,602.77
D. Other Production	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
4. Agriculture										
A. Enteric Fermentation										
B. Manure Management										
C. Rice Cultivation										
D. Agricultural Soils										
E. Prescribed Burning of Savannas										
F. Field Burning of Agricultural Residues										
G. Other										
5. Land Use, Land-Use Change and Forestry	-651,622.02	-673,003.43	-729,428.52	-850,533.24	-949,294.76	-991,490.63	-988,895.15	-953,053.88	-919,968.64	-892,975.15
A. Forest Land	-448,056.65	-431,111.76	-553,467.36	-679,349.21	-791,020.11	-817,448.71	-799,624.91	-764,068.13	-757,035.42	-757,052.84
B. Cropland	-2,703.32	-11,157.97	6,979.89	20,948.07	22,769.56	14,106.08	1,055.40	17,893.21	16,127.35	17,974.03
C. Grassland	-14,002.29	-47,433.73	-18,554.93	-22,414.32	-15,212.38	-11,208.67	-11,248.52	-24,831.23	-1,884.33	-1,768.53
D. Wetlands	1,154.91	1,227.28	1,140.27	1,000.95	983.07	1,077.08	1,078.91	878.94	1,011.63	992.14
E. Settlements	-57,338.86	-58,432.57	-59,377.38	-60,322.19	-61,267.00	-62,211.82	-63,156.63	-64,101.44	-65,046.25	-65,991.06
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	-130,675.83	-126,094.68	-106,149.02	-110,396.53	-105,547.89	-115,804.60	-116,999.40	-118,825.23	-113,141.62	-87,128.89
6. Waste	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
A. Solid Waste Disposal on Land	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
B. Waste-water Handling										
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CO2 emissions including net CO2 from LULUCF	5,137,264.98	5,289,698.06	5,133,412.32	5,052,859.56	5,002,218.10	5,078,835.02	5,111,507.97	5,071,060.80	5,199,349.19	5,042,208.58
Total CO2 emissions excluding net CO2 from LULUCF	5,788,887.01	5,962,701.49	5,862,840.84	5,903,392.80	5,951,512.86	6,070,325.66	6,100,403.13	6,024,114.68	6,119,317.83	5,935,183.73
Memo Items:										
International Bunkers	102,733.04	101,726.18	93,731.32	94,442.98	98,309.91	108,391.00	113,139.25	114,115.98	115,345.34	114,341.85
Aviation	57,557.15	62,029.31	56,384.52	54,626.24	55,196.36	56,239.23	60,125.45	60,283.69	61,489.49	56,145.71
Marine	45,175.90	39,696.86	37,346.80	39,816.74	43,113.55	52,151.77	53,013.80	53,832.30	53,855.85	58,196.14
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass	220,560.72	226,555.50	202,498.82	203,559.77	208,724.36	224,089.19	228,651.10	232,668.86	238,307.61	251,734.38

Note: All footnotes for this table are given on sheet 3.

Emission trends (CO₂)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	5,390,590.53	5,585,641.74	5,452,528.41	11.00
A. Fuel Combustion (Sectoral Approach)	5,358,083.23	5,552,996.00	5,419,837.29	11.20
1. Energy Industries	2,146,415.03	2,259,189.96	2,158,510.32	18.55
2. Manufacturing Industries and Construction	722,627.08	780,239.67	773,192.26	-8.88
3. Transport	1,726,751.85	1,742,149.61	1,725,577.55	19.38
4. Other Sectors	560,392.34	555,204.37	550,857.14	-1.16
5. Other	201,896.93	216,212.39	211,700.02	4.90
B. Fugitive Emissions from Fuels	32,507.31	32,645.75	32,691.12	-14.10
1. Solid Fuels	IE, NE, NO	IE, NE, NO	IE, NE, NO	0.00
2. Oil and Natural Gas	32,507.31	32,645.75	32,691.12	-14.10
2. Industrial Processes	119,010.83	141,396.86	151,292.18	-19.83
A. Mineral Products	51,378.21	57,806.43	58,590.21	8.44
B. Chemical Industry	18,657.03	21,736.70	21,664.69	-12.55
C. Metal Production	48,975.59	61,853.72	71,037.27	-35.37
D. Other Production	NE	NE	NE	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA, NO	NA, NO	NA, NO	0.00
3. Solvent and Other Product Use	NA, NE	NA, NE	NA, NE	0.00
4. Agriculture				
A. Enteric Fermentation				
B. Manure Management				
C. Rice Cultivation				
D. Agricultural Soils				
E. Prescribed Burning of Savannas				
F. Field Burning of Agricultural Residues				
G. Other				
5. Land Use, Land-Use Change and Forestry	-874,300.40	-879,410.48	-896,007.06	13.94
A. Forest Land	-757,052.84	-758,184.94	-761,804.08	34.82
B. Cropland	17,163.32	19,884.34	19,765.20	-430.24
C. Grassland	-1,651.68	-1,502.25	-1,354.10	-89.54
D. Wetlands	1,088.63	1,009.91	917.70	-11.20
E. Settlements	-66,935.87	-67,880.69	-68,825.50	44.91
F. Other Land	NE	NE	NE	0.00
G. Other	-66,911.96	-72,736.86	-84,706.28	-45.69
6. Waste	IE, NA, NE	IE, NA, NE	IE, NA, NE	0.00
A. Solid Waste Disposal on Land	NA, NE	NA, NE	NA, NE	0.00
B. Waste-water Handling				
C. Waste Incineration	IE	IE	IE	0.00
D. Other	NA	NA	NA	0.00
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CO2 emissions including net CO2 from LULUCF	4,635,300.96	4,847,628.12	4,707,813.53	9.12
Total CO2 emissions excluding net CO2 from LULUCF	5,509,601.36	5,727,038.60	5,603,820.59	9.86
Memo Items:				
International Bunkers	106,410.32	116,992.25	111,315.70	7.59
Aviation	52,785.00	60,967.34	64,856.50	70.52
Marine	53,625.32	56,024.90	46,459.20	-28.99
Multilateral Operations	IE	IE	IE	0.00
CO2 Emissions from Biomass	245,057.03	264,458.79	264,527.22	20.99

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a The column “Base year” should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^b Fill in net emissions/removals as reported in CRF table Summary 1.A of the latest reported inventory year. For the purposes of reporting, the signs for removals are always negative (-) and for emissions positive (+).

Custom Footnotes

Table 1(b)

USA_BR1_v3.0

Emission trends (CH₄)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	14,219.52	14,148.50	13,971.66	13,558.34	13,663.08	13,452.42	13,572.07	13,580.26	13,212.73
A. Fuel Combustion (Sectoral Approach)	573.69	575.41	588.06	562.63	549.98	540.73	545.98	504.48	468.42
1. Energy Industries	15.77	15.75	15.86	16.54	16.87	17.02	17.47	18.08	19.27
2. Manufacturing Industries and Construction	85.56	83.47	86.05	87.11	90.66	91.58	93.51	95.22	90.33
3. Transport	207.57	201.91	201.03	197.98	193.94	187.48	178.86	170.82	162.22
4. Other Sectors	262.02	271.36	282.15	258.04	245.41	241.83	253.44	217.50	193.73
5. Other	2.76	2.91	2.97	2.97	3.09	2.82	2.70	2.85	2.87
B. Fugitive Emissions from Fuels	13,645.82	13,573.09	13,383.59	12,995.70	13,113.10	12,911.69	13,026.09	13,075.77	12,744.31
1. Solid Fuels	4,290.85	4,155.70	4,077.32	3,551.44	3,631.23	3,585.27	3,583.39	3,521.73	3,508.75
2. Oil and Natural Gas	9,354.98	9,417.39	9,306.27	9,444.27	9,481.87	9,326.41	9,442.70	9,554.04	9,235.56
2. Industrial Processes	155.63	160.01	165.08	169.19	179.65	187.71	192.89	199.45	201.13
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	109.40	118.96	121.03	124.40	133.76	140.43	146.96	153.36	156.34
C. Metal Production	46.24	41.04	44.05	44.79	45.90	47.28	45.93	46.09	44.80
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use									
4. Agriculture	8,168.68	8,242.82	8,436.47	8,548.25	8,832.44	9,012.37	8,909.17	8,887.03	8,998.06
A. Enteric Fermentation	6,320.86	6,333.24	6,540.08	6,621.59	6,741.35	6,896.84	6,852.70	6,721.20	6,649.14
B. Manure Management	1,498.82	1,567.79	1,511.61	1,583.25	1,689.78	1,743.42	1,715.17	1,799.34	1,962.08
C. Rice Cultivation	339.21	333.19	374.79	334.24	391.13	362.90	331.75	356.24	376.26
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	9.78	8.61	9.99	9.17	10.18	9.22	9.56	10.25	10.58
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	118.37	103.50	154.56	96.28	285.72	160.34	455.04	90.14	120.87
A. Forest Land	118.37	103.50	154.56	96.28	285.72	160.34	455.04	90.14	120.87
B. Cropland	NA	NA	NA	NA	NA	NA	NA	NA	NA
C. Grassland	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Wetlands	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
6. Waste	7,810.46	7,870.33	7,918.24	7,878.41	7,820.60	7,484.08	7,321.62	6,915.28	6,569.63
A. Solid Waste Disposal on Land	7,037.07	7,083.45	7,110.88	7,065.09	6,988.68	6,643.42	6,476.41	6,054.10	5,703.75
B. Waste-water Handling	758.15	769.46	787.76	788.28	801.15	805.82	805.63	817.38	818.20
C. Waste Incineration	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
D. Other	15.24	17.42	19.60	25.04	30.77	34.84	39.59	43.80	47.68
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	30,472.66	30,525.16	30,646.02	30,250.46	30,781.48	30,296.92	30,450.80	29,672.15	29,102.43
Total CH4 emissions excluding CH4 from LULUCF	30,354.28	30,421.66	30,491.46	30,154.19	30,495.77	30,136.58	29,995.76	29,582.01	28,981.56
Memo Items:									
International Bunkers	6.53	7.11	6.10	5.08	4.82	4.85	4.86	5.24	5.63
Aviation	NA	NA	NA	NA	NA	NA	NA	NA	NA
Marine	6.53	7.11	6.10	5.08	4.82	4.85	4.86	5.24	5.63
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass									

Note: All footnotes for this table are given on sheet 3.

Table 1(b)

Emission trends (CH₄)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	12,867.55	13,068.78	13,153.53	12,735.36	12,801.27	12,639.94	12,364.71	12,852.31	12,852.66	13,066.72
A. Fuel Combustion (Sectoral Approach)	463.49	468.60	443.90	429.71	432.24	431.63	428.47	399.91	404.35	405.00
1. Energy Industries	19.42	20.46	20.34	20.55	20.66	21.14	22.02	21.72	22.66	22.13
2. Manufacturing Industries and Construction	89.62	89.64	85.33	83.34	83.20	87.79	87.03	88.69	85.76	81.26
3. Transport	150.83	142.26	138.17	121.38	111.82	105.41	98.17	91.74	84.42	77.13
4. Other Sectors	200.75	213.41	196.53	201.23	212.89	213.40	217.58	194.17	208.22	221.50
5. Other	2.89	2.83	3.53	3.21	3.68	3.89	3.67	3.59	3.29	2.99
B. Fugitive Emissions from Fuels	12,404.06	12,600.18	12,709.62	12,305.65	12,369.03	12,208.32	11,936.25	12,452.40	12,448.31	12,661.72
1. Solid Fuels	3,328.70	3,227.05	3,195.35	2,998.34	2,993.23	3,041.32	2,973.49	3,034.31	3,009.45	3,448.93
2. Oil and Natural Gas	9,075.36	9,373.13	9,514.28	9,307.31	9,375.80	9,166.99	8,962.75	9,418.09	9,438.86	9,212.79
2. Industrial Processes	208.64	207.94	186.43	191.48	187.02	205.14	184.45	188.45	189.29	169.15
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	165.60	163.55	147.46	154.26	149.46	166.13	149.98	153.42	155.66	137.88
C. Metal Production	43.04	44.39	38.98	37.22	37.56	39.01	34.46	35.03	33.63	31.27
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use										
4. Agriculture	9,044.59	8,958.33	9,013.04	9,042.54	9,092.03	8,944.38	9,120.61	9,211.39	9,549.52	9,536.99
A. Enteric Fermentation	6,652.64	6,578.49	6,540.42	6,551.79	6,563.92	6,440.03	6,521.73	6,631.12	6,751.21	6,731.45
B. Manure Management	1,986.67	2,012.78	2,098.87	2,156.31	2,187.96	2,134.59	2,264.89	2,287.72	2,493.05	2,452.15
C. Rice Cultivation	394.87	356.84	363.78	325.20	328.37	360.22	326.10	281.97	294.56	342.73
D. Agricultural Soils	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	10.40	10.22	9.97	9.24	11.79	9.54	7.89	10.58	10.70	10.67
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	428.88	544.45	320.46	484.43	312.20	177.96	382.55	843.33	683.82	412.64
A. Forest Land	428.88	544.45	320.46	484.43	312.20	177.96	382.55	843.33	683.82	412.64
B. Cropland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C. Grassland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Wetlands	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
E. Settlements	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
6. Waste	6,355.75	6,217.01	5,994.52	6,037.95	6,292.84	6,108.99	6,216.65	6,179.92	6,183.23	6,280.18
A. Solid Waste Disposal on Land	5,478.19	5,336.76	5,132.72	5,176.99	5,430.09	5,239.73	5,357.07	5,310.99	5,313.86	5,408.68
B. Waste-water Handling	824.15	820.56	801.74	800.21	793.51	794.98	785.01	793.52	790.60	791.31
C. Waste Incineration	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
D. Other	53.42	59.69	60.06	60.75	69.24	74.28	74.57	75.41	78.78	80.20
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total CH4 emissions including CH4 from LULUCF	28,905.42	28,996.52	28,667.99	28,491.75	28,685.36	28,076.42	28,268.97	29,275.40	29,458.53	29,465.69
Total CH4 emissions excluding CH4 from LULUCF	28,476.54	28,452.08	28,347.53	28,007.32	28,373.16	27,898.45	27,886.41	28,432.08	28,774.71	29,053.05
Memo Items:										
International Bunkers	4.51	3.96	3.73	3.98	4.31	5.21	5.29	5.38	5.38	5.81
Aviation	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Marine	4.51	3.96	3.73	3.98	4.31	5.21	5.29	5.38	5.38	5.81
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass										

Note: All footnotes for this table are given on sheet 3.

Emission trends (CH₄)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	12,610.43	12,375.39	12,015.78	-15.50
A. Fuel Combustion (Sectoral Approach)	385.39	386.00	382.05	-33.41
1. Energy Industries	20.67	21.85	21.24	34.65
2. Manufacturing Industries and Construction	73.81	79.52	78.83	-7.87
3. Transport	72.15	69.10	66.26	-68.08
4. Other Sectors	215.61	211.91	212.19	-19.02
5. Other	3.15	3.62	3.53	27.62
B. Fugitive Emissions from Fuels	12,225.04	11,989.39	11,633.73	-14.75
1. Solid Fuels	3,592.13	3,684.25	3,242.22	-24.44
2. Oil and Natural Gas	8,632.91	8,305.14	8,391.51	-10.30
2. Industrial Processes	155.96	171.59	176.96	13.70
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	138.18	146.61	148.89	36.10
C. Metal Production	17.78	24.98	28.08	-39.28
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA, NO	NA, NO	NA, NO	0.00
3. Solvent and Other Product Use				
4. Agriculture	9,455.63	9,519.01	9,345.30	14.40
A. Enteric Fermentation	6,693.01	6,632.37	6,541.59	3.49
B. Manure Management	2,402.82	2,466.09	2,478.01	65.33
C. Rice Cultivation	349.06	409.72	315.96	-6.86
D. Agricultural Soils	NA	NA	NA	0.00
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	10.74	10.82	9.74	-0.46
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	271.48	222.33	674.85	470.12
A. Forest Land	271.48	222.33	674.85	470.12
B. Cropland	NA	NA	NA	0.00
C. Grassland	NA	NA	NA	0.00
D. Wetlands	NE	NE	NE	0.00
E. Settlements	NE	NE	NE	0.00
F. Other Land	NE	NE	NE	0.00
G. Other	NA, NO	NA, NO	NA, NO	0.00
6. Waste	6,257.81	5,935.98	5,750.69	-26.37
A. Solid Waste Disposal on Land	5,396.60	5,083.49	4,906.99	-30.27
B. Waste-water Handling	785.91	779.30	769.91	1.55
C. Waste Incineration	IE, NE	IE, NE	IE, NE	0.00
D. Other	75.30	73.19	73.79	384.19
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total CH4 emissions including CH4 from LULUCF	28,751.31	28,224.31	27,963.58	-8.23
Total CH4 emissions excluding CH4 from LULUCF	28,479.83	28,001.98	27,288.73	-10.10
Memo Items:				
International Bunkers	5.36	5.59	4.64	-28.94
Aviation	NA	NA	NA	0.00
Marine	5.36	5.59	4.64	-28.94
Multilateral Operations	IE	IE	IE	0.00
CO2 Emissions from Biomass				

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and for

“ The column “Base year” should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Emission trends (N₂O)
(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	183.10	188.97	199.76	207.13	213.56	217.34	220.93	222.84	222.53
A. Fuel Combustion (Sectoral Approach)	183.10	188.97	199.76	207.13	213.56	217.34	220.93	222.84	222.53
1. Energy Industries	23.76	23.72	23.90	24.91	25.41	25.64	26.32	26.82	28.01
2. Manufacturing Industries and Construction	13.89	13.58	14.01	14.15	14.70	14.81	15.16	15.42	14.72
3. Transport	137.37	143.72	153.84	160.50	166.08	169.66	172.01	173.80	173.56
4. Other Sectors	4.87	5.02	5.11	4.77	4.59	4.51	4.77	4.23	3.78
5. Other	3.20	2.93	2.91	2.80	2.78	2.72	2.68	2.57	2.47
B. Fugitive Emissions from Fuels	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
1. Solid Fuels	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
2. Oil and Natural Gas	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
2. Industrial Processes	109.54	108.49	103.63	107.60	109.80	121.90	124.04	101.34	85.81
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	109.54	108.49	103.63	107.60	109.80	121.90	124.04	101.34	85.81
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production									
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use	14.21	13.81	13.02	14.80	14.80	14.80	14.80	15.74	15.74
4. Agriculture	781.67	805.82	816.64	937.09	844.85	871.75	906.60	891.28	830.77
A. Enteric Fermentation									
B. Manure Management	46.32	47.07	47.21	46.53	48.96	50.24	50.05	50.68	51.44
C. Rice Cultivation									
D. Agricultural Soils	735.09	758.52	769.16	890.31	795.61	821.25	856.28	840.31	779.03
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.26	0.24	0.27	0.25	0.29	0.26	0.27	0.29	0.29
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	9.93	9.19	12.32	9.78	20.53	13.29	29.59	9.46	10.58
A. Forest Land	6.76	5.93	8.84	5.75	16.23	9.51	26.09	5.99	7.80
B. Cropland	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
C. Grassland	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
D. Wetlands	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.02	0.01
E. Settlements	3.16	3.25	3.46	4.01	4.28	3.76	3.48	3.46	2.77
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
6. Waste	12.30	12.71	13.29	13.87	14.59	14.93	15.55	15.90	16.56
A. Solid Waste Disposal on Land									
B. Waste-water Handling	11.16	11.41	11.82	12.00	12.28	12.31	12.58	12.62	12.98
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	1.14	1.31	1.47	1.88	2.31	2.61	2.97	3.28	3.58
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	1,110.75	1,139.00	1,158.67	1,290.26	1,218.13	1,254.00	1,311.51	1,256.56	1,181.99
Total N2O emissions excluding N2O from LULUCF	1,100.82	1,129.81	1,146.35	1,280.48	1,197.60	1,240.71	1,281.92	1,247.09	1,171.41
Memo Items:									
International Bunkers	4.06	4.26	4.06	3.79	3.90	3.75	3.97	4.04	4.29
Aviation	2.41	2.46	2.51	2.50	2.67	2.52	2.74	2.71	2.86
Marine	1.66	1.81	1.55	1.29	1.22	1.23	1.23	1.33	1.43
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass									

Note: All footnotes for this table are given on sheet 3.

Emission trends (N₂O)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
1. Energy	219.34	218.94	211.01	203.69	196.45	193.47	186.78	177.11	163.17	151.36
A. Fuel Combustion (Sectoral Approach)	219.34	218.94	211.01	203.69	196.45	193.47	186.78	177.11	163.17	151.36
1. Energy Industries	28.60	31.04	32.79	38.70	42.61	47.55	51.60	52.30	53.90	54.27
2. Manufacturing Industries and Construction	14.64	14.66	14.39	14.13	14.22	14.95	14.91	15.26	14.81	14.12
3. Transport	169.77	166.60	157.30	144.42	132.79	124.06	113.52	103.37	88.14	76.58
4. Other Sectors	3.95	4.20	4.00	3.97	4.23	4.26	4.24	3.78	3.99	4.15
5. Other	2.38	2.44	2.54	2.47	2.59	2.64	2.51	2.40	2.33	2.24
B. Fugitive Emissions from Fuels	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
1. Solid Fuels	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
2. Oil and Natural Gas	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE	IE, NA, NE
2. Industrial Processes	81.87	81.92	67.17	73.04	71.37	65.01	78.58	82.21	98.13	62.72
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	81.87	81.92	67.17	73.04	71.37	65.01	78.58	82.21	98.13	62.72
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
3. Solvent and Other Product Use	15.74	15.74	15.74	14.15	14.15	14.15	14.15	14.15	14.15	14.15
4. Agriculture	832.29	787.26	820.57	832.21	810.24	856.38	821.47	842.52	872.13	849.38
A. Enteric Fermentation										
B. Manure Management	53.44	54.85	54.50	55.71	56.16	54.10	55.08	57.60	57.96	57.31
C. Rice Cultivation										
D. Agricultural Soils	778.56	732.13	765.78	776.24	753.78	802.01	766.14	784.62	813.84	791.76
E. Prescribed Burning of Savannas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
F. Field Burning of Agricultural Residues	0.29	0.29	0.29	0.27	0.31	0.27	0.25	0.30	0.33	0.30
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
5. Land Use, Land-Use Change and Forestry	27.84	35.12	23.46	32.66	23.28	16.00	27.08	52.65	44.06	28.71
A. Forest Land	25.25	31.43	19.04	28.21	18.60	11.00	22.32	47.81	38.98	23.98
B. Cropland	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
C. Grassland	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE	IE, NE
D. Wetlands	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02
E. Settlements	2.58	3.66	4.40	4.43	4.66	4.98	4.74	4.83	5.06	4.71
F. Other Land	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
G. Other	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
6. Waste	17.50	18.35	18.85	18.71	19.53	20.25	20.62	20.99	21.49	21.81
A. Solid Waste Disposal on Land										
B. Waste-water Handling	13.49	13.87	14.34	14.16	14.34	14.68	15.03	15.33	15.59	15.80
C. Waste Incineration	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
D. Other	4.01	4.48	4.50	4.56	5.19	5.57	5.59	5.66	5.91	6.01
7. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total N2O emissions including N2O from LULUCF	1,194.58	1,157.33	1,156.81	1,174.46	1,135.03	1,165.27	1,148.68	1,189.62	1,213.14	1,128.13
Total N2O emissions excluding N2O from LULUCF	1,166.74	1,122.21	1,133.35	1,141.80	1,111.74	1,149.27	1,121.61	1,136.97	1,169.08	1,099.42
Memo Items:										
International Bunkers	3.87	2.23	2.43	2.50	2.59	2.87	2.94	3.00	3.08	3.18
Aviation	2.72	1.22	1.48	1.49	1.50	1.55	1.60	1.63	1.71	1.70
Marine	1.14	1.01	0.95	1.01	1.09	1.32	1.34	1.37	1.37	1.48
Multilateral Operations	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE
CO2 Emissions from Biomass										

Note: All footnotes for this table are given on sheet 3.

Emission trends (N₂O)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
1. Energy	141.18	140.62	131.74	-28.05
A. Fuel Combustion (Sectoral Approach)	141.18	140.62	131.74	-28.05
1. Energy Industries	54.21	59.54	57.88	143.59
2. Manufacturing Industries and Construction	13.05	13.94	13.84	-0.41
3. Transport	67.69	60.96	53.92	-60.75
4. Other Sectors	4.05	3.97	3.96	-18.78
5. Other	2.18	2.21	2.15	-32.96
B. Fugitive Emissions from Fuels	IE, NA, NE	IE, NA, NE	IE, NA, NE	0.00
1. Solid Fuels	IE, NE	IE, NE	IE, NE	0.00
2. Oil and Natural Gas	IE, NA, NE	IE, NA, NE	IE, NA, NE	0.00
2. Industrial Processes	54.23	68.22	84.21	-23.13
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	54.23	68.22	84.21	-23.13
C. Metal Production	NA	NA	NA	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA, NO	NA, NO	NA, NO	0.00
3. Solvent and Other Product Use	14.15	14.15	14.15	-0.38
4. Agriculture	840.72	846.36	855.63	9.46
A. Enteric Fermentation				
B. Manure Management	57.13	57.29	58.01	25.25
C. Rice Cultivation				
D. Agricultural Soils	783.27	788.75	797.34	8.47
E. Prescribed Burning of Savannas	NA	NA	NA	0.00
F. Field Burning of Agricultural Residues	0.31	0.32	0.28	7.31
G. Other	NA	NA	NA	0.00
5. Land Use, Land-Use Change and Forestry	20.70	18.22	43.29	335.76
A. Forest Land	16.17	13.45	38.49	469.65
B. Cropland	IE, NE	IE, NE	IE, NE	0.00
C. Grassland	IE, NE	IE, NE	IE, NE	0.00
D. Wetlands	0.02	0.02	0.01	-14.10
E. Settlements	4.51	4.75	4.78	51.37
F. Other Land	NE	NE	NE	0.00
G. Other	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
6. Waste	21.64	21.84	22.24	80.79
A. Solid Waste Disposal on Land				
B. Waste-water Handling	16.00	16.36	16.70	49.70
C. Waste Incineration	IE	IE	IE	0.00
D. Other	5.65	5.49	5.53	384.19
7. Other (as specified in the summary table in CRF)	NA	NA	NA	0.00
Total N2O emissions including N2O from LULUCF	1,092.63	1,109.41	1,151.25	3.65
Total N2O emissions excluding N2O from LULUCF	1,071.92	1,091.19	1,107.96	0.65
Memo Items:				
International Bunkers	3.17	3.42	2.99	-26.34
Aviation	1.81	2.00	1.82	-24.55
Marine	1.36	1.42	1.18	-28.94
Multilateral Operations	IE	IE	IE	0.00
CO2 Emissions from Biomass				

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and fores

“ The column “Base year” should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

Custom Footnotes

Table 1(d)

USA_BR1_v3.0

Emission trends (HFCs, PFCs and SF₆)

(Sheet 1 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year ^a	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO2 eq)	36,924.10	33,540.69	38,282.65	39,503.73	45,592.64	64,035.14	73,986.13	84,503.54	101,185.43
HFC-23	3.13	2.81	3.12	2.85	2.72	2.84	2.69	2.60	3.41
HFC-32	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	0.00	0.00	0.00
HFC-41	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
HFC-43-10mee	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-125	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.17	0.35	0.72	1.11	1.54	1.81
HFC-134	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-134a	IE, NA, NO	IE, NA, NO	0.83	3.63	8.78	19.86	26.63	33.51	37.43
HFC-152a	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-143	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-143a	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.07	0.16	0.29	0.44	0.63	0.81
HFC-227ea	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-236fa	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.01	0.02	0.04	0.04	0.05	0.06
HFC-245ca	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	331.04	640.05	648.53	658.43	661.37	1,594.51	2,785.64	3,449.74	4,066.32
Emissions of PFCsc - (kt CO2 eq)	20,645.87	17,774.74	16,539.87	16,507.74	15,167.42	15,587.02	16,600.19	15,222.69	14,029.04
CF ₄	2.54	2.16	1.99	1.96	1.75	1.75	1.86	1.68	1.47
C ₂ F ₆	0.45	0.40	0.39	0.41	0.41	0.45	0.49	0.47	0.49
C 3F8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C ₄ F ₁₀	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO
c-C ₄ F ₈	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO
C ₅ F ₁₂	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO
C ₆ F ₁₄	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	32,634.53	31,252.92	31,446.62	30,902.91	29,402.59	27,959.51	27,202.99	25,449.29	22,449.19
SF ₆	1.37	1.31	1.32	1.29	1.23	1.17	1.14	1.06	0.94

Note: All footnotes for this table are given on sheet 3.

Table 1(d)

USA_BR1_v3.0

Emission trends (HFCs, PFCs and SF₆)
(Sheet 2 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	kt	kt	kt	kt	kt	kt	kt	kt	kt	kt
Emissions of HFCsc - (kt CO2 eq)	99,929.63	104,964.81	101,117.37	108,117.90	103,719.25	113,176.87	115,002.68	115,974.25	119,973.45	117,451.89
HFC-23	2.64	2.47	1.70	1.82	1.07	1.49	1.37	1.21	1.48	1.19
HFC-32	0.00	0.03	0.07	0.13	0.22	0.34	0.50	0.97	1.49	2.02
HFC-41	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO	IE, NA, NO
HFC-43-10mee	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-125	2.10	2.32	2.44	2.56	2.69	2.86	3.05	3.58	4.30	5.12
HFC-134	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-134a	42.00	46.41	49.46	52.54	54.53	56.62	57.64	57.57	55.52	53.27
HFC-152a	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-143	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-143a	1.04	1.23	1.42	1.63	1.84	2.06	2.29	2.51	2.72	2.91
HFC-227ea	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
HFC-236fa	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.14
HFC-245ca	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	4,184.66	4,017.97	4,005.65	4,436.48	4,956.68	5,324.50	5,649.54	5,986.58	6,321.77	6,665.90
Emissions of PFCsc - (kt CO2 eq)	13,961.47	13,473.80	6,979.60	8,711.06	7,080.60	6,125.08	6,194.63	6,030.44	7,670.73	6,607.08
CF ₄	1.46	1.48	0.67	0.88	0.67	0.55	0.56	0.51	0.70	0.55
C ₂ F ₆	0.49	0.41	0.27	0.31	0.28	0.27	0.26	0.28	0.33	0.31
C 3F8	0.00	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01
C ₄ F ₁₀	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO
c-C ₄ F ₈	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	0.01	0.01	0.01	0.01	0.01	0.01	0.01
C ₅ F ₁₂	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO
C ₆ F ₁₄	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, IE, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
Emissions of SF6(3) - (Gg CO2 equivalent)	22,804.73	18,827.49	18,009.80	17,006.25	16,681.60	15,498.42	14,986.61	13,684.57	12,287.30	11,391.23
SF ₆	0.95	0.79	0.75	0.71	0.70	0.65	0.63	0.57	0.51	0.48

Note: All footnotes for this table are given on sheet 3.

Emission trends (HFCs, PFCs and SF₆)
(Sheet 3 of 3)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
Emissions of HFCsc - (kt CO2 eq)	111,949.05	121,275.07	128,951.68	249.23
HFC-23	0.48	0.58	0.62	-80.05
HFC-32	2.61	3.86	4.94	100.00
HFC-41	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
HFC-43-10mee	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
HFC-125	6.18	7.93	9.51	100.00
HFC-134	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
HFC-134a	51.33	51.40	51.01	100.00
HFC-152a	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
HFC-143	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
HFC-143a	3.32	3.86	4.41	100.00
HFC-227ea	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
HFC-236fa	0.14	0.15	0.15	100.00
HFC-245ca	C, IE, NA, NO	C, IE, NA, NO	C, IE, NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO ₂ eq)	7,045.25	7,419.32	7,807.86	2,258.60
Emissions of PFCsc - (kt CO2 eq)	4,458.52	5,946.51	7,017.60	-66.01
CF ₄	0.37	0.45	0.61	-75.84
C ₂ F ₆	0.22	0.32	0.32	-28.64
C 3F8	0.00	0.00	0.01	1,295.15
C ₄ F ₁₀	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	0.00
c-C ₄ F ₈	0.00	0.00	0.00	100.00
C ₅ F ₁₂	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	0.00
C ₆ F ₁₄	C, NA, NE, NO	C, NA, NE, NO	C, NA, NE, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO ₂ equivalent)	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
Emissions of SF6(3) - (Gg CO2 equivalent)	9,815.90	10,070.11	9,379.53	-71.26
SF ₆	0.41	0.42	0.39	-71.26

Abbreviations : CRF = common reporting format, LULUCF = land use, land-use change and forestry.

^a The column “Base year” should be filled in only by those Parties with economies in transition that use a base year different from 1990 in accordance with the relevant decisions of the Conference of the Parties. For these Parties, this different base year is used to calculate the percentage change in the final column of this table.

^cEnter actual emissions estimates. If only potential emissions estimates are available, these should be reported in this table and an indication for this be provided in the documentation box. Only in these rows are the emissions expressed as CO2 equivalent emissions.

^dIn accordance with the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual inventories”, HFC and PFC emissions should be reported for each relevant chemical. However, if it is not possible to report values for each chemical (i.e. mixtures, confidential data, lack of disaggregation), this row could be used for reporting aggregate figures for HFCs and PFCs, respectively. Note that the unit used for this row is kt of CO2 equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

Custom Footnotes

Documentation Box:

Table 2(a)

USA_BR1_v3.0

Description of quantified economy-wide emission reduction target: base year^a

<i>Party</i>	<i>United States of America</i>	
Base year /base period	2005	
Emission reduction target	% of base year/base period	% of 1990 ^b
	17.00%	
Period for reaching target	2020	

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Optional.

Table 2(b)

USA_BR1_v3.0

Description of quantified economy-wide emission reduction target: gases and sectors covered^a

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO ₂		2005
CH ₄		2005
N ₂ O		2005
HFCs		2005
PFCs		2005
SF ₆		2005
NF ₃		2005
Other Gases (specify)		
Sectors covered ^b	Energy	Yes
	Transport ^f	Yes
	Industrial processes ^g	Yes
	Agriculture	Yes
	LULUCF	Yes
	Waste	Yes
	Other Sectors (specify)	

Abbreviations : LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b More than one selection will be allowed. If Parties use sectors other than those indicated above, the explanation of how these sectors relate to the sectors defined by the IPCC should be provided.

^f Transport is reported as a subsector of the energy sector.

^g Industrial processes refer to the industrial processes and solvent and other product use sectors.

Description of quantified economy-wide emission reduction target: global warming potential values (GWP)^a

<i>Gases</i>	<i>GWP values^b</i>
CO ₂	4nd AR
CH ₄	4nd AR
N ₂ O	4nd AR
HFCs	4nd AR
PFCs	4nd AR
SF ₆	4nd AR
NF ₃	4nd AR
Other Gases (specify)	

Abbreviations : GWP = global warming potential

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Please specify the reference for the GWP: Second Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) or the Fourth Assessment Report of the IPCC.

Description of quantified economy-wide emission reduction target: approach to counting emissions and removals from the LULUCF sector^a

Role of LULUCF	LULUCF in base year level and target	Included
	Contribution of LULUCF is calculated using	Land-based approach

Abbreviation : LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Contribution of LULUCF is calculated using comprehensive land-based accounting consistent with the 2006 IPCC Guidelines using a net-net approach.

Table 2(e)I

USA_BR1_v3.0

Description of quantified economy-wide emission reduction target: market-based mechanisms under the Convention^a

<i>Market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>under the Convention</i>	<i>(estimated kt CO₂ eq)</i>
CERs	
ERUs	
AAUs ⁱ	
Carry-over units ^j	
Other mechanism units under the Convention (specify) ^d	

Abbreviations : AAU = assigned amount unit, CER = certified emission reduction, ERU = emission reduction unit.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^d As indicated in paragraph 5(e) of the guidelines contained in annex I of decision 2/CP.17 .

ⁱ AAUs issued to or purchased by a Party.

^j Units carried over from the first to the second commitment periods of the Kyoto Protocol, as described in decision 13/CMP.1 and consistent with decision 1/CMP.8.

Description of quantified economy-wide emission reduction target: other market-based mechanisms^a

<i>Other market-based mechanisms</i>	<i>Possible scale of contributions</i>
<i>(Specify)</i>	<i>(estimated kt CO₂ eq)</i>

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

Description of quantified economy-wide emission reduction target: any other information^{a,b}

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^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b This information could include information on the domestic legal status of the target or the total assigned amount of emission units for the period for reaching a target. Some of this information is presented in the narrative part of the biennial report.

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

USA_BR1_v3.0

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
National Program for Light-Duty Vehicle GHG Emissions and CAFE Standards	Transport	CO ₂ , HFCs	Reduce GHG emissions from vehicles	Regulatory	Implemented	Establishes corporate average fuel economy and GHG emission standards for new light-duty vehicles (LDVs) produced for sale in the U.S.	2010 (Program promulgated in 2010 for model year 2012 vehicles)	DOT/EPA	35,000.00	236,000.00
Renewable Fuel Standard	Transport	CO ₂	Increase use of renewable fuels	Regulatory	Implemented	Increases the share of renewable fuels used in transportation via implementation of the Renewable Fuel Standard program.	2010	EPA	NA	138,400.00
National Program for Heavy-Duty Vehicle GHG Emissions and Fuel Efficiency Standards	Transport	CO ₂ , N ₂ O, CH ₄ , HFCs	Reduce GHG emissions from vehicles	Regulatory	Implemented	Establishes fuel efficiency and GHG emission standards for work trucks, buses, and other heavy-duty vehicles.	2011 (Program promulgated in 2011 for model year 2014 vehicles)	DOT/EPA	NA	37,700.00
SmartWay Transport Partnership	Transport	CO ₂	Reduce GHG emissions from movement of goods	Voluntary Agreement	Implemented	Promotes collaboration with businesses and other stakeholders to decrease climate-related and other emissions from movement of goods.	2004	EPA	23,600.00	43,000.00
Light-Duty Vehicle Fuel Economy and Environment Label	Transport	CO ₂	Provide information to vehicle buyers	Other (Information)	Implemented	Provides comparable information on new LDVs' fuel economy, energy use, fuel costs, and environmental impacts.	2011	EPA/DOT/DOE		
National Clean Diesel Campaign	Transport	CO ₂	Reduce diesel emissions	Other (Voluntary Agreement)	Implemented	Reduces diesel emissions through the implementation of proven emission control technologies and innovative strategies.	2008	EPA		
Advanced Technology Vehicle Manufacturing Loan Program	Transport	CO ₂	Provide loans to advanced vehicle technology manufacturers	Economic	Implemented	Provides direct loans to qualifying U.S. advanced technology vehicles or component and engineering integration projects.	2008	DOE	1,500.00	2,500.00
Next Generation Air Transportation Systems	Transport	CO ₂	Reduce GHG emissions from the aviation sector	Other (Research)	Implemented	Achieves more efficient aircraft operations and reduced GHG emissions through airspace, operational, and infrastructure improvements. The Continuous Lower Energy, Emissions, and Noise Program is an element of NextGen.	2004	DOT	NA	3,800.00
Other Aviation Low-Emission, Fuel Efficiency, and Renewable Fuels Measures	Transport	CO ₂	Reduce GHG emissions from the aviation sector	Economic Research Voluntary Agreement	Implemented	Implement strategies that reduce GHG emissions from the aviation sector.	2004-2006	DOT		
State and Alternative Fuel Provider Fleet Program	Transport	CO ₂	Require fleets to purchase alternative fuel vehicles	Regulatory	Implemented	Requires covered fleets either to acquire alternative fuel vehicles as a percentage of their annual LDV acquisitions or to employ other petroleum-reduction methods.	1992	DOE		
Federal Transit, Highway, and Railway Programs	Transport	CH ₄ , CO ₂ , HFCs, N ₂ O, NF ₃ , SF ₆ , PFCs	Reduce GHG emissions from the transit and railway sectors	Fiscal Voluntary Agreement Research	Implemented	Help public transportation providers, railways, and other key stakeholders to implement strategies that reduce GHGs.	1991-2012	DOT		

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
On-road GHG Assessment Tools	Transport	CO ₂	Support state and local strategies to reduce GHG emissions from the transportation sector	Information	Implemented	Supports and encourages state and local governments to estimate future GHG emissions from the on-road portion of the transportation sector and find strategies to mitigate these effects.	2011	DOT		
Clean Energy Supply Programs	Other (Energy: Supply)	CO ₂	Reduce greenhouse gas emissions through green power purchases and combined heat and power	Other (Voluntary/Negotiated Agreements)	Implemented	Green Power Partnership encourages U.S. organizations to voluntarily purchase green power, and Combined Heat and Power Partnership reduces the environmental impact of power generation by encouraging the use of CHP.	2001	EPA	29,600.00	73,300.00
Onshore Renewable Energy Development Programs	Other (Energy: Supply)	CO ₂	Encourage renewable energy development	Other (Voluntary Agreement)	Implemented	Provide opportunities for and encourage use of federal public lands for the development of wind, solar, and geothermal energy.	Around 1980	DOI/BLM	6,700.00	41,500.00
Rural Energy for America Program	Other (Energy: Supply)	CO ₂	Fund energy efficiency and renewable energy systems	Other (Economic)	Implemented	Provides grants and loan guarantees to various rural residents, agricultural producers, and rural businesses for energy efficiency and renewable energy systems.	2008	USDA	1,900.00	17,500.00
CCS Demonstration and Large-Scale Geologic Storage Cooperative Agreements	Other (Energy: Supply)	CO ₂	Demonstrate large-scale carbon capture and storage	Economic	Implemented	The power plant, industrial, and geologic storage large-scale carbon capture and storage (CCS) demonstration projects are cost-shared cooperative agreements between the government and industry to increase investment in CCS.	2009	DOE	1,000.00	16,200.00
Rural Development Biofuels Programs	Other (Energy: Supply)	CO ₂	Fund expansion of biofuels	Other (Economic)	Implemented	Supports expansion of biofuels by providing payments to biorefineries and biofuel producers, and providing loan guarantees for biorefineries. Programs include the Bioenergy Program for Advanced Biofuels, Biorefinery Assistance Program, and Repowering Assistance Program.	2008	USDA	0.00	100.00
Biofuel Regional Feedstock Partnerships	Other (Energy: Supply)	CO ₂	Support supply of biomass feedstocks	Economic	Implemented	Identify and analyze feedstock supply and regional logistics, and conduct crop field trials to address barriers to the development of a sustainable and predictable supply of biomass feedstocks.	2002	DOE		
Smart Grid Investment Grants	Other (Energy: Supply)	CO ₂	Fund smart grid investments	Economic	Implemented	Provide approximately \$8 billion toward the modernization of the electric grid in 99 Smart Grid Investment Grant projects around the country through public-private partnerships.	2007	DOE		

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
Offshore Renewable Energy Program—Bureau of Ocean Energy Management	Other (Energy: Supply)	CO ₂	Encourage renewable energy development	Regulatory	Implemented	Advances a sustainable Outer Continental Shelf renewable energy future through site planning and environmentally responsible operations and energy generation.	2009	DOI	156,000.00	216,000.00
Price-Anderson and Nuclear Waste Policy Acts	Other (Energy: Supply)	CO ₂	Support the development of nuclear power plants	Economic	Implemented	Establish legal responsibility to manage nuclear waste and support the deployment of nuclear power by limiting nuclear plant operators' liability in the event of an accident.	1957 and 1982 respectively	DOE		
Appliance and Equipment Energy Efficiency Standards	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Establish minimum energy conservation requirements	Regulatory	Implemented	Establish minimum energy conservation standards for more than 50 categories of appliances and equipment.	1987	DOE		
ENERGY STAR Labeled Products	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Reduce GHG emissions through energy-efficient products	Voluntary Agreement	Implemented	Labels distinguish energy-efficient products in the marketplace.	1992	DOE/EPA		
ENERGY STAR Commercial Buildings	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Reduce GHG emissions through energy-efficient buildings	Voluntary Agreement	Implemented	Promotes improvement in energy performance in commercial buildings.	1995	EPA		
Lighting Energy Efficiency Standards	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Establish minimum energy conservation requirements	Regulatory	Implemented	Lighting component of DOE's comprehensive Appliance and Equipment Energy Efficiency Standards program.	2007	DOE		
ENERGY STAR for Industry	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Reduce GHG emissions through energy-efficient industrial plants		Implemented	Promotes improvement in energy performance across industry.	1995	EPA		
ENERGY STAR Certified New Homes	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Reduce GHG emissions through energy-efficient new homes	Voluntary Agreement	Implemented	Promotes improvement in energy performance in residential buildings beyond the labeling of products.	1995	EPA		
Home Performance with ENERGY STAR	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Encourage energy-efficiency improvements in existing homes	Economic	Implemented	Provides homeowners with resources to identify trusted contractors for high-quality, comprehensive energy audits and residential retrofits.	2002	DOE		

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
Building Energy Codes	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Support energy-efficient building codes	Regulatory	Implemented	Develops cost-effective building energy codes with adoption and compliance strategies.	1992	DOE	206,900.00	311,100.00
Combined Heat & Power Technical Assistance Partnerships and Industrial Assessment Centers	Other (Energy: Residential, Commercial, and Industrial End Use)	CO ₂	Encourage energy efficiency in industrial plants	Economic	Implemented	Provide technical assistance, including energy audits, to increase energy efficiency and reduce costs for CHP plants and industrial processes.	2007	DOE		
Significant New Alternatives Policy Program	Other (Industrial Processes (Non-CO ₂))	PFCs, HFCs, SF ₆	Transition away from ozone-depleting chemicals	Other (Information)	Implemented	Facilitates smooth transition away from ozone-depleting chemicals in industrial and consumer sectors.	1990	EPA		
Federal Air Standards for Oil and Natural Gas Sector	Other (Industrial Processes (Non-CO ₂))	CH ₄	Reduce volatile organic compound emissions from oil and natural gas sectors	Regulatory	Adopted	The new source performance standards control volatile organic compound emissions from various sources, substantially reducing methane emissions as a co-benefit.	2012	EPA		
Natural Gas STAR Program	Other (Industrial Processes (Non-CO ₂))	CH ₄	Reduce GHG emissions from oil and natural gas companies	Other (Information)	Implemented	Works with oil and natural gas companies to promote proven, cost-effective technologies and practices that improve operational efficiency and reduce methane (i.e., natural gas) emissions.	1993	EPA		
Coalbed Methane Outreach Program	Other (Industrial Processes (Non-CO ₂))	CH ₄	Reduce GHG emissions from coal mining	Other (Information)	Implemented	Voluntary program with the goal of reducing methane emissions from coal mining activities.	1994	EPA		
SF ₆ Emission Reduction Partnership for Electric Power Systems	Other (Industrial Processes (Non-CO ₂))	SF ₆	Reduce GHG emissions from electric transmission and distribution	Other (Information)	Implemented	Partners with electric power transmission and distribution companies to reduce emissions of SF ₆ , which is used as a gaseous dielectric in high-voltage circuit breakers and gas-insulated substations.	1993	EPA		
GreenChill Advanced Refrigeration Partnership	Other (Industrial Processes (Non-CO ₂))	HFCs	Reduce ozone-depleting and GHG emissions from supermarkets	Other (Voluntary/Negotiated Agreements) Information Education	Implemented	Reduces ozone-depleting and GHG refrigerant emissions from supermarkets.	2007	EPA		
Responsible Appliance Disposal Program	Other (Industrial Processes (Non-CO ₂))	HFCs	Reduce emissions from end-of-life appliances		Implemented	Reduces emissions of refrigerant and foam-blowing agents from end-of-life appliances.	2006	EPA	300.00	600.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
Voluntary Aluminum Industry Partnership	Other (Industrial Processes (Non-CO2))	PFCs	Reduce GHG emissions from aluminum industry	Other (Information)	Implemented	Partners with industry to reduce PFCs, tetrafluoro-methane, and hexafluoro-ethane where cost-effective technologies and operational practices are technically feasible.	1995	EPA	6,300.00	400.00
Voluntary Code of Practice for the Reduction of Emissions of HFC and PFC Fire Protection Agents	Other (Industrial Processes (Non-CO2))	HFCs, PFCs	Reduce GHG emissions from fire protection agents	Other (Voluntary/Negotiated Agreements)	Implemented	Minimizes nonfire emissions of HFCs and PFCs used as fire-suppression alternatives and protects people and property from the threat of fire through the use of proven, effective products and systems.	2002	EPA		
Conservation Reserve Program	Agriculture	CO ₂	Promote sustainable development	Other (Information)	Implemented	Encourages farmers to convert highly erodible cropland or other environ- mentally sensitive acreage.	1985	USDA	51,600.00	61,200.00
Natural Resources Conservation Service	Agriculture	CH ₄ , CO ₂ , N ₂ O	Promote sustainable development	Voluntary Agreement Economic Information	Implemented	Helps landowners to implement practices or measures that address natural resource concerns.	1935-1996	USDA	11,900.00	27,600.00
AgSTAR	Agriculture	CH ₄	Reduce GHG emissions through use of biogas recovery	Other (Information)	Implemented	Encourages the use of methane (biogas) recovery technologies at confined animal feeding operations that manage manure as liquids or slurries.	1994	EPA/USDA	1,200.00	900.00
Woody Biomass Utilization Grants Program	Forestry/LULUC F	CO ₂	Promote sustainable development	Voluntary Agreement Economic Information	Implemented	Creates markets for small-diameter woody material and low-valued trees removed from forest restoration activities.	2005	USDA		
Landfill Air Regulations	Waste management/waste	CH ₄	Reduce landfill gas emissions		Implemented	Limit GHG emissions by limiting landfill gas emissions from landfills that are at least 2.5 million megagrams in size. Landfill gas is approximately 50% methane.	1996	EPA		183,100.00
Landfill Methane Outreach Program	Waste management/waste	CH ₄	Reduce GHG emissions at landfills	Other (Information)	Implemented	Reduces GHG emissions at landfills by supporting the recovery and use of landfill gas for energy.	1994	EPA	15,800.00	15,700.00
Sustainable Materials Management	Waste management/waste	CO ₂	Encourage sustainable materials management	Other (Voluntary/Negotiated Agreements) Information Education	Implemented	Provides a systemic approach to reduce the use of materials and their associated environmental impacts over their entire life cycle.	2011	EPA		30.00
Wastewise	Waste management/waste	CO ₂	Encourage sustainable materials management	Other (Voluntary/Negotiated Agreements) Information Education	Implemented	Helps organizations and businesses apply sustainable material management practices to reduce municipal and select industrial wastes.	1994	EPA	23,200.00	NA

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020
Federal Energy Management Program	Other (Federal Government)	CO ₂	Promote energy efficiency and renewable energy in federal facilities	Regulatory	Implemented	Promotes energy efficiency and renewable energy use in federal buildings, facilities, and operations.	2008	DOE	4,200.00	14,400.00
National Parks Service Programs	Other (Federal Government)	CO ₂	Promote climate mitigation and sustainable practices at national parks	Economic Voluntary Agreement Education	Implemented	Support efforts to mitigate the effects of climate change and integrate sustainable practices.	2003-2012	DOI	38.00	200.00
State Energy Program	Cross-cutting	CO ₂	Fund energy efficiency and renewable energy state programs	Economic	Implemented	Provides funding to state energy offices to reduce market barriers to the cost-effective adoption of renewable energy and energy efficiency technologies.	1977	DOE	8,600.00	16,200.00
Energy Efficiency and Conservation Block Grants	Cross-cutting	CO ₂	Fund energy efficiency and renewable energy local programs	Economic	Implemented	Assist eligible entities in implementing strategies that will improve energy efficiency in the transportation, building, and other sectors, and reduce fossil fuel emissions and total energy use.	2009	DOE	7,100.00	11,300.00
Section 1703/1705 Loan Guarantee Program	Cross-cutting	CO ₂	Mitigate risks related to innovative advanced technology investments	Economic	Implemented	Mitigates the financing risks associated with innovative and, in the case of the Section 1705 Program, some commercial energy projects	2009	DOE	400.00	7,300.00
Weatherization Assistance Program	Cross-cutting	CO ₂	Fund weatherization services for low-income households	Economic	Implemented	Provides funding and technical support to states, U.S. territories, and tribes, which in turn work with a network of about 900 local agencies to provide trained crews to perform residential weatherization services for income-eligible households.	1977	DOE	1,900.00	3,300.00
Indian Energy Policy and Programs/Tribal Energy Program	Cross-cutting	CO ₂	Fund energy efficiency and renewable energy by tribes	Economic	Implemented	Provides financial and technical assistance that enables American Indian and Alaska Native tribes to deploy renewable energy resources, reduce their energy costs through efficiency and weatherization, and increase energy security for tribes and villages.	2002	DOE	100.00	400.00
Climate Showcase Communities Grant Program	Cross-cutting	CH ₄ , CO ₂	Fund local and tribal GHG emissions reduction projects	Other (Information)	Implemented	In 2009 and 2010, EPA awarded \$20 million in grants to help local and tribal governments take steps to reduce GHG emissions while achieving additional environmental, economic, and social benefits.	2009	EPA	30.00	400.00

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a		Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
										2011	2020
Community Renewable Energy Deployment Grants		Cross-cutting	CO ₂	Fund small renewable energy projects	Economic	Implemented	Create up to a 50% matching grant for the construction of small renewable energy projects that will have commercial electrical generation capacity of less than 15 megawatts. Types of renewable energy sources include solar, wind, geothermal, ocean, biomass, and landfill gas.	2009	DOE		
Tax Provisions		Cross-cutting	CO ₂	Provide incentives for investments which may reduce GHG emissions	Voluntary Agreement Economic Information	Adopted	Provide incentives for alternative fuel vehicles and renewable/alternative energy production. Encourage energy conservation, production of renewable energy and energy efficiency manufacturing projects, and carbon sequestration.	1992-2009	Treasury		
Interagency Partnership for Sustainable Communities		Cross-cutting	CH ₄ , CO ₂ , HFCs, NF ₃ , N ₂ O, PFCs, SF ₆	Support sustainability through cross-agency coordination	Voluntary Agreement Economic Information	Implemented	Encourages integrated regional planning by aligning federal policies for housing, transportation, and the environment.	2009	EPA/DOT/ HUD		
Center for Corporate Climate Leadership		Cross-cutting	CH ₄ , CO ₂ , N ₂ O, HFCs, NF ₃ , SF ₆	Support organization-wide GHG measurement and management	Information	Implemented	Serves as a resource center for organizations interested in GHG measurement and management.	2012	EPA		

Note : The two final columns specify the year identified by the Party for estimating impacts (based on the status of the measure and whether an ex post or ex ante estimation is available).

Abbreviations : GHG = greenhouse gas; LULUCF = land use, land-use change and forestry.

^a Parties should use an asterisk (*) to indicate that a mitigation action is included in the ‘with measures’ projection.

^b To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors, cross-cutting, as appropriate.

^c To the extent possible, the following types of instrument should be used: economic, fiscal, voluntary agreement, regulatory, information, education, research, other.

^d To the extent possible, the following descriptive terms should be used to report on the status of implementation: implemented, adopted, planned.

^e Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

^f Optional year or years deemed relevant by the Party.

Custom Footnotes

Table 3

Progress in achievement of the quantified economy-wide emission reduction target: information on mitigation actions and their effects

Name of mitigation action ^a	Sector(s) affected ^b	GHG(s) affected	Objective and/or activity affected	Type of instrument ^c	Status of implementation ^d	Brief description ^e	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO ₂ eq)	
									2011	2020

Notes:• NA (i.e., not applicable) or a blank space indicate either the value does not apply for the given year or quantifying GHG emissions does not apply. • Different models and methods are used for evaluating the effects of individual policies and measures than are used for overall projections. Even though these estimated mitigation impacts cannot be aggregated for the purpose of understanding the with measures projection, all programs implemented before September 2012 are implicitly captured in the projection• The estimated mitigation impacts are an annual estimate, but are calculated from the year the policy or measure was implemented. The start year can vary significantly from one policy or measure to the next. • BLM = Bureau of Land Management; CAFE = corporate average fuel economy; CCS = carbon capture and storage; CH4 = methane; CHP = combined heat and power; CO2 = carbon dioxide; CO2e = carbon dioxide equivalent; DOE = U.S. Department of Energy; DOI = U.S. Department of the Interior; DOT = U.S. Development; LDV = light-duty vehicle; N2O = nitrous oxide; PFCs = perfluorocarbons; SF6 = sulfur hexafluoride; Tg = teragram; USDA = U.S. Department ofDepartment of Transportation; EPA = U.S. Environmental Protection Agency; GHG = greenhouse gas; HFCs = hydrofluorocarbons; HUD = U.S. Department of Housing and Urban Development; LDV = light-duty vehicle; N2O = nitrous oxide; PFCs = perfluorocarbons; SF6 = sulfur hexafluoride; Tg = teragram; USDA = U.S. Department of Agriculture• The 2020 esimated mitigation impact for the Conservation Reserve Program is 41,500 ktCO2eq - 61,200 ktCO2eq.

	<i>Total emissions excluding LULUCF</i>	<i>Contribution from LULUCF^d</i>	<i>Quantity of units from market based mechanisms under the Convention</i>		<i>Quantity of units from other market based mechanisms</i>	
<i>Year^c</i>	<i>(kt CO₂ eq)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>	<i>(number of units)</i>	<i>(kt CO₂ eq)</i>
(2005)						
2010						
2011						
2012						

Abbreviation : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For the base year, information reported on the emission reduction target shall include the following: (a) total GHG emissions, excluding emissions and removals from the LULUCF sector; (b) emissions and/or removals from the LULUCF sector based on the accounting approach applied taking into consideration any relevant decisions of the Conference of the Parties and the activities and/or land that will be accounted for; (c) total GHG emissions, including emissions and removals from the LULUCF sector. For each reported year, information reported on progress made towards the emission reduction targets shall include, in addition to the information noted in paragraphs 9(a–c) of the UNFCCC biennial reporting guidelines for developed country Parties, information on the use of units from market-based mechanisms.

^c Parties may add additional rows for years other than those specified below.

^d Information in this column should be consistent with the information reported in table 4(a)I or 4(a)II, as appropriate. The Parties for which all relevant information on the LULUCF contribution is reported in table 1 of this common tabular format can refer to table 1.

Custom Footnotes

All relevant information on the LULUCF contribution for the United States is contained in Biennial Report Table 1.

Table 4(a)I

USA_BR1_v3.0

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2011 ^{a,b}

	<i>Net GHG emissions/removals from LULUCF categories ^c</i>	<i>Base year/period or reference level value ^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF ^e</i>	<i>Accounting approach ^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					Land-based approach
A. Forest land					Land-based approach
1. Forest land remaining forest land					Land-based approach
2. Land converted to forest land					Land-based approach
3. Other ^g					Land-based approach
B. Cropland					Land-based approach
1. Cropland remaining cropland					Land-based approach
2. Land converted to cropland					Land-based approach
3. Other ^g					Land-based approach
C. Grassland					Land-based approach
1. Grassland remaining grassland					Land-based approach
2. Land converted to grassland					Land-based approach
3. Other ^g					Land-based approach
D. Wetlands					Land-based approach
1. Wetland remaining wetland					Land-based approach
2. Land converted to wetland					Land-based approach
3. Other ^g					Land-based approach
E. Settlements					Land-based approach
1. Settlements remaining settlements					Land-based approach
2. Land converted to settlements					Land-based approach
3. Other ^g					Land-based approach
F. Other land					Land-based approach
1. Other land remaining other land					Land-based approach
2. Land converted to other land					Land-based approach
3. Other ^g					Land-based approach
Harvested wood products					Land-based approach

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category “other”. Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Table 4(a)I

USA_BR1_v3.0

Progress in achieving the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the contribution of the land use, land-use change and forestry sector in 2012 ^{a, b}

	<i>Net GHG emissions/removals from LULUCF categories ^c</i>	<i>Base year/period or reference level value ^d</i>	<i>Contribution from LULUCF for reported year</i>	<i>Cumulative contribution from LULUCF ^e</i>	<i>Accounting approach ^f</i>
	<i>(kt CO₂ eq)</i>				
Total LULUCF					Land-based approach
A. Forest land					Land-based approach
1. Forest land remaining forest land					Land-based approach
2. Land converted to forest land					Land-based approach
3. Other ^g					Land-based approach
B. Cropland					Land-based approach
1. Cropland remaining cropland					Land-based approach
2. Land converted to cropland					Land-based approach
3. Other ^g					Land-based approach
C. Grassland					Land-based approach
1. Grassland remaining grassland					Land-based approach
2. Land converted to grassland					Land-based approach
3. Other ^g					Land-based approach
D. Wetlands					Land-based approach
1. Wetland remaining wetland					Land-based approach
2. Land converted to wetland					Land-based approach
3. Other ^g					Land-based approach
E. Settlements					Land-based approach
1. Settlements remaining settlements					Land-based approach
2. Land converted to settlements					Land-based approach
3. Other ^g					Land-based approach
F. Other land					Land-based approach
1. Other land remaining other land					Land-based approach
2. Land converted to other land					Land-based approach
3. Other ^g					Land-based approach
Harvested wood products					Land-based approach

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b Parties that use the LULUCF approach that is based on table 1 do not need to complete this table, but should indicate the approach in table 2. Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^c For each category, enter the net emissions or removals reported in the most recent inventory submission for the corresponding inventory year. If a category differs from that used for the reporting under the Convention or its Kyoto Protocol, explain in the biennial report how the value was derived.

^d Enter one reference level or base year/period value for each category. Explain in the biennial report how these values have been calculated.

^e If applicable to the accounting approach chosen. Explain in this biennial report to which years or period the cumulative contribution refers to.

^f Label each accounting approach and indicate where additional information is provided within this biennial report explaining how it was implemented, including all relevant accounting parameters (i.e. natural disturbances, caps).

^g Specify what was used for the category “other”. Explain in this biennial report how each was defined and how it relates to the categories used for reporting under the Convention or its Kyoto Protocol.

Custom Footnotes

Table 4(b)

USA_BR1_v3.0

Reporting on progress^{a, b, c}

<i>Units of market based mechanisms</i>			<i>Year</i>	
			<i>2011</i>	<i>2012</i>
<i>Kyoto Protocol units^d</i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>AAUs</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>ERUs</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>CERs</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>tCERs</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>ICERs</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
<i>Other units^{d,e}</i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
	<i>Units from other market-based mechanisms</i>	<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		
<i>Total</i>		<i>(number of units)</i>		
		<i>(kt CO₂ eq)</i>		

Abbreviations : AAUs = assigned amount units, CERs = certified emission reductions, ERUs = emission reduction units, ICERs = long-term certified emission reductions, tCERs = temporary certified emission reductions.

Note: 2011 is the latest reporting year.

^a Reporting by a developed country Party on the information specified in the common tabular format does not prejudice the position of other Parties with regard to the treatment of units from market-based mechanisms under the Convention or other market-based mechanisms towards achievement of quantified economy-wide emission reduction targets.

^b For each reported year, information reported on progress made towards the emission reduction target shall include, in addition to the information noted in paragraphs 9(a-c) of the reporting guidelines, on the use of units from market-based mechanisms.

^c Parties may include this information, as appropriate and if relevant to their target.

^d Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

^e Additional rows for each market-based mechanism should be added, if applicable.

Custom Footnotes

Table 5

USA_BR1_v3.0

Summary of key variables and assumptions used in the projections analysis^a

<i>Key underlying assumptions</i>		<i>Historical^b</i>						<i>Projected</i>			
<i>Assumption</i>	<i>Unit</i>	<i>1990</i>	<i>1995</i>	<i>2000</i>	<i>2005</i>	<i>2010</i>	<i>2011</i>	<i>2015</i>	<i>2020</i>	<i>2025</i>	<i>2030</i>
<i>Population</i>	<i>Millions</i>	250.00	266.00	282.00	296.00	309.00	312.00	325.00	340.00	356.00	372.00
Real Gross Domestic Product	Billion 2005 dollars	8,027.00	9,086.00	11,216.00	12,623.00	13,063.00	13,299.00	14,679.00	16,859.00	18,985.00	21,355.00
Total Primary Energy Consumption	quadrillion Btu	84.50	91.00	98.80	100.30	97.70	97.30	97.70	101.00	102.30	102.80
Energy Intensity	Btu per chain-weighted dollar of GDP	10,525.00	10,019.00	8,810.00	7,944.00	7,481.00	7,316.00	6,657.00	5,993.00	5,391.00	4,814.00
Natural gas consumption	quadrillion Btu of dry gas	19.60	22.70	23.80	22.60	24.30	24.80	25.90	26.80	27.30	28.00
Petroleum consumption	quadrillion Btu	33.60	34.40	38.30	40.40	36.00	35.30	37.00	37.50	36.90	36.10
Coal consumption	quadrillion Btu	19.20	20.10	22.60	22.80	20.80	19.60	18.20	18.60	19.30	19.70
<i>Vehicle miles travelled, all vehicles</i>	<i>billion miles</i>	2,144.00	2,423.00	2,747.00	2,989.00	2,967.00	2,946.00	2,960.00	3,194.00	3,493.00	3,694.00

^a Parties should include key underlying assumptions as appropriate.^b Parties should include historical data used to develop the greenhouse gas projections reported.**Custom Footnotes**

Table 6(a)

Information on updated greenhouse gas projections under a ‘with measures’ scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base Year	1990	1995	2000	2005	2010	2011	2020	2030
Sector^{d,e}									
Energy	4,321,000.00	3,725,000.00	3,908,000.00	4,258,000.00	4,321,000.00	4,104,000.00	3,981,000.00	4,038,000.00	4,207,000.00
Transport	1,931,000.00	1,543,000.00	1,668,000.00	1,861,000.00	1,931,000.00	1,786,000.00	1,765,000.00	1,702,000.00	1,627,000.00
Industry/industrial processes	335,000.00	321,000.00	344,000.00	357,000.00	335,000.00	308,000.00	331,000.00	438,000.00	536,000.00
Agriculture	446,000.00	414,000.00	460,000.00	432,000.00	446,000.00	462,000.00	461,000.00	485,000.00	512,000.00
Forestry/LULUCF	-972,000.00	-781,000.00	-782,000.00	-651,000.00	-972,000.00	-869,000.00	-868,000.00	-871,000.00	-902,000.00
Waste management/waste	137,000.00	168,000.00	162,000.00	136,000.00	137,000.00	131,000.00	128,000.00	126,000.00	123,000.00
Other (specify)									
Gas									
CO ₂ emissions including net CO ₂ from LULUCF	5,111,000.00	4,314,000.00	4,626,000.00	5,290,000.00	5,111,000.00	4,849,000.00	4,708,000.00	4,750,000.00	4,795,000.00
CO ₂ emissions excluding net CO ₂ from LULUCF	6,100,000.00	5,101,000.00	5,416,000.00	5,963,000.00	6,100,000.00	5,728,000.00	5,604,000.00	5,638,000.00	5,722,000.00
CH ₄ emissions including CH ₄ from LULUCF	594,000.00	640,000.00	636,000.00	609,000.00	594,000.00	593,000.00	587,000.00	599,000.00	626,000.00
CH ₄ emissions excluding CH ₄ from LULUCF	586,000.00	637,000.00	633,000.00	598,000.00	586,000.00	588,000.00	573,000.00	590,000.00	613,000.00
N ₂ O emissions including N ₂ O from LULUCF	356,000.00	344,000.00	389,000.00	359,000.00	356,000.00	344,000.00	357,000.00	347,000.00	364,000.00
N ₂ O emissions excluding N ₂ O from LULUCF	348,000.00	341,000.00	385,000.00	348,000.00	348,000.00	338,000.00	343,000.00	338,000.00	351,000.00
HFCs	115,000.00	37,000.00	64,000.00	105,000.00	115,000.00	121,000.00	129,000.00	207,000.00	302,000.00
PFCs	6,000.00	21,000.00	16,000.00	13,000.00	6,000.00	6,000.00	7,000.00	5,000.00	7,000.00
SF ₆	15,000.00	33,000.00	28,000.00	19,000.00	15,000.00	10,000.00	9,000.00	9,000.00	10,000.00
Other (specify)									
Total with LULUCF^f	6,197,000.00	5,389,000.00	5,759,000.00	6,395,000.00	6,197,000.00	5,923,000.00	5,797,000.00	5,917,000.00	6,104,000.00
Total without LULUCF	7,170,000.00	6,170,000.00	6,542,000.00	7,046,000.00	7,170,000.00	6,791,000.00	6,665,000.00	6,787,000.00	7,005,000.00

Abbreviations : GHG = greenhouse gas, LULUCF = land use, land-use change and forestry.

^a In accordance with the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, at a minimum Parties shall report a ‘with measures’ scenario, and may report ‘without measures’ and ‘with additional measures’ scenarios. If a Party chooses to report ‘without measures’ and/or ‘with additional measures’ scenarios they are to use tables 6(b) and/or 6(c), respectively. If a Party does not choose to report ‘without measures’ or ‘with additional measures’ scenarios then it should not include tables 6(b) or 6(c) in the biennial report.

^b Emissions and removals reported in these columns should be as reported in the latest GHG inventory and consistent with the emissions and removals reported in the table on GHG emissions and trends provided in this biennial report. Where the sectoral breakdown differs from that reported in the GHG inventory Parties should explain in their biennial report how the inventory sectors relate to the sectors reported in this table.

^c 20XX is the reporting due-date year (i.e. 2014 for the first biennial report).

Information on updated greenhouse gas projections under a ‘with measures’ scenario^a

	GHG emissions and removals ^b							GHG emission projections	
	(kt CO ₂ eq)							(kt CO ₂ eq)	
	Base Year	1990	1995	2000	2005	2010	2011	2020	2030

^d In accordance with paragraph 34 of the “Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part II: UNFCCC reporting guidelines on national communications”, projections shall be presented on a sectoral basis, to the extent possible, using the same sectoral categories used in the policies and measures section. This table should follow, to the extent possible, the same sectoral categories as those listed in paragraph 17 of those guidelines, namely, to the extent appropriate, the following sectors should be considered: energy, transport, industry, agriculture, forestry and waste management.

^e To the extent possible, the following sectors should be used: energy, transport, industry/industrial processes, agriculture, forestry/LULUCF, waste management/waste, other sectors (i.e. cross-cutting), as appropriate.

^f Parties may choose to report total emissions with or without LULUCF, as appropriate.

Custom Footnotes

Projections for CO2 sequestration from LULUCF through 2030 in the baseline (with measures) scenario are presented in the Sixth U.S. Climate Action Report as a range based on alternative high- and low-sequestration scenarios. However, because the UNFCCC automated submission system cannot accommodate a range, only the high-sequestration scenario has been included here; please refer to the report for the full range of projected U.S. GHG emissions and sinks under the baseline scenario.

Allocation channels	Year									
	American dollar - USD					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:	1,813,030,000.00	268,130,000.00	45,000,000.00	54,910,000.00		1,813,030,000.00	268,130,000.00	45,000,000.00	54,910,000.00	
Multilateral climate change funds ^g	44,910,000.00	232,630,000.00	45,000,000.00	46,010,000.00		44,910,000.00	232,630,000.00	45,000,000.00	46,010,000.00	
Other multilateral climate change funds ^h		232,630,000.00	10,000,000.00				232,630,000.00	10,000,000.00		
Multilateral financial institutions, including regional development banks	1,675,640,000.00					1,675,640,000.00				
Specialized United Nations bodies	92,480,000.00	35,500,000.00		8,900,000.00		92,480,000.00	35,500,000.00		8,900,000.00	
Total contributions through bilateral, regional and other channels		2,315,322,007.00	510,228,443.00				2,315,322,007.00	510,228,443.00		
Total	1,813,030,000.00	2,583,452,007.00	555,228,443.00	54,910,000.00		1,813,030,000.00	2,583,452,007.00	555,228,443.00	54,910,000.00	

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

Custom Footnotes

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

Documentation Box:

Table 7

USA_BR1_v3.0

Provision of public financial support: summary information in 2012^a

Allocation channels	Year									
	American dollar - USD					USD ^b				
	Core/ general ^c	Climate-specific ^d				Core/ general ^c	Climate-specific ^d			
		Mitigation	Adaptation	Cross-cutting ^e	Other ^f		Mitigation	Adaptation	Cross-cutting ^e	Other ^f
Total contributions through multilateral channels:	2,340,290,000.00	324,780,000.00	53,700,000.00	69,910,000.00		2,340,290,000.00	324,780,000.00	53,700,000.00	69,910,000.00	
Multilateral climate change funds ^g	59,910,000.00	288,330,000.00	53,700,000.00	62,010,000.00		59,910,000.00	288,330,000.00	53,700,000.00	62,010,000.00	
Other multilateral climate change funds ^h		288,330,000.00	18,700,000.00				288,330,000.00	18,700,000.00		
Multilateral financial institutions, including regional development banks	2,190,680,000.00					2,190,680,000.00				
Specialized United Nations bodies	89,700,000.00	36,450,000.00		7,900,000.00		89,700,000.00	36,450,000.00		7,900,000.00	
Total contributions through bilateral, regional and other channels		1,496,606,104.00	339,524,403.00				1,496,606,104.00	339,524,403.00		
Total	2,340,290,000.00	1,821,386,104.00	393,224,403.00	69,910,000.00		2,340,290,000.00	1,821,386,104.00	393,224,403.00	69,910,000.00	

Abbreviation: USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should provide an explanation on methodology used for currency exchange for the information provided in table 7, 7(a) and 7(b) in the box below.

^c This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^d Parties should explain in their biennial reports how they define funds as being climate-specific.

^e This refers to funding for activities which are cross-cutting across mitigation and adaptation.

^f Please specify.

^g Multilateral climate change funds listed in paragraph 17(a) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

^h Other multilateral climate change funds as referred in paragraph 17(b) of the “UNFCCC biennial reporting guidelines for developed country Parties” in decision 2/CP.17.

Custom Footnotes

Each Party shall provide an indication of what new and additional financial resources they have provided, and clarify how they have determined that such resources are new and additional. Please provide this information in relation to table 7(a) and table 7(b).

Documentation Box:

Table 7(a)

Provision of public financial support: contribution through multilateral channels in 2011^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f, g}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	American dollar - USD	USD	American dollar - USD	USD					
Total contributions through multilateral channels	1,813,030,000.00	1,813,030,000.00	368,040,000.00	368,040,000.00					
Multilateral climate change funds ^g	44,910,000.00	44,910,000.00	323,640,000.00	323,640,000.00					
1. Global Environment Facility	44,910,000.00	44,910,000.00	44,910,000.00	44,910,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. Least Developed Countries Fund			25,000,000.00	25,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
3. Special Climate Change Fund			10,000,000.00	10,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities			1,100,000.00	1,100,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
7. Other multilateral climate change funds			242,630,000.00	242,630,000.00					
Clean Technology Fund			184,630,000.00	184,630,000.00	Committed	ODA	Grant	Mitigation	Energy
Scaling-Up Renewable Energy Program in Low-Income Countries			10,000,000.00	10,000,000.00	Committed	ODA	Grant	Mitigation	Energy
Pilot Program for Climate Resilience			10,000,000.00	10,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
Forest Investment Program			30,000,000.00	30,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture
Forest Carbon Partnership Facility			8,000,000.00	8,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture
Multilateral financial institutions, including regional development banks	1,675,640,000.00	1,675,640,000.00							
1. World Bank	1,352,530,000.00	1,352,530,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank	106,370,000.00	106,370,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other	216,740,000.00	216,740,000.00							
African Development Fund	65,830,000.00	65,830,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Asian Development Fund	105,000,000.00	105,000,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Enterprise for the Americas Multilateral Investment Fund	24,950,000.00	24,950,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Inter-American Investment Corporation	20,960,000.00	20,960,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Specialized United Nations bodies	92,480,000.00	92,480,000.00	44,400,000.00	44,400,000.00					
1. United Nations Development Programme	84,780,000.00	84,780,000.00							
United Nations Development Programme	84,780,000.00	84,780,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. United Nations Environment Programme	7,700,000.00	7,700,000.00							
United Nations Environment Programme	7,700,000.00	7,700,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
3. Other			44,400,000.00	44,400,000.00					
Intergovernmental Panel on Climate Change / UN Framework Convention on Climate Change			8,900,000.00	8,900,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
Montreal Protocol Multilateral Fund			35,500,000.00	35,500,000.00	Committed	ODA	Grant	Mitigation	Energy

Abbreviations: ODA = official development assistance, OOF = other official flows.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

^g Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Custom Footnotes

Table 7(a)

USA_BR1_v3.0

Provision of public financial support: contribution through multilateral channels in 2012^a

Donor funding	Total amount				Status ^b	Funding source ^f	Financial instrument ^f	Type of support ^{f, g}	Sector ^c
	Core/general ^d		Climate-specific ^e						
	American dollar - USD	USD	American dollar - USD	USD					
Total contributions through multilateral channels	2,340,290,000.00	2,340,290,000.00	448,390,000.00	448,390,000.00					
Multilateral climate change funds ^g	59,910,000.00	59,910,000.00	404,040,000.00	404,040,000.00					
1. Global Environment Facility	59,910,000.00	59,910,000.00	59,910,000.00	59,910,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. Least Developed Countries Fund			25,000,000.00	25,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
3. Special Climate Change Fund			10,000,000.00	10,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities			2,100,000.00	2,100,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
7. Other multilateral climate change funds			307,030,000.00	307,030,000.00					
Clean Technology Fund			229,630,000.00	229,630,000.00	Committed	ODA	Grant	Mitigation	Energy
Scaling-Up Renewable Energy Program in Low-Income Countries			18,700,000.00	18,700,000.00	Committed	ODA	Grant	Mitigation	Energy
Pilot Program for Climate Resilience			18,700,000.00	18,700,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting
Forest Investment Program			37,500,000.00	37,500,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture
Partnership for Market Readiness			2,500,000.00	2,500,000.00	Committed	ODA	Grant	Mitigation	Cross-cutting
Multilateral financial institutions, including regional development banks	2,190,680,000.00	2,190,680,000.00							
1. World Bank	1,442,360,000.00	1,442,360,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. International Finance Corporation									
3. African Development Bank	32,420,000.00	32,420,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
4. Asian Development Bank	106,590,000.00	106,590,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank	81,200,000.00	81,200,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
7. Other	528,110,000.00	528,110,000.00							
African Development Fund	223,950,000.00	223,950,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Asian Development Fund	100,000,000.00	100,000,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Enterprise for the Americas Multilateral Investment Fund	25,000,000.00	25,000,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Inter-American Investment Corporation	4,660,000.00	4,660,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Multilateral Debt Relief for International Development Association	167,000,000.00	167,000,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Multilateral Debt Relief for African Development Fund	7,500,000.00	7,500,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
Specialized United Nations bodies	89,700,000.00	89,700,000.00	44,350,000.00	44,350,000.00					
1. United Nations Development Programme	82,000,000.00	82,000,000.00							
United Nations Development Programme	82,000,000.00	82,000,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
2. United Nations Environment Programme	7,700,000.00	7,700,000.00							
United Nations Environment Programme	7,700,000.00	7,700,000.00			Committed	ODA	Grant	Cross-cutting	Cross-cutting
3. Other			44,350,000.00	44,350,000.00					
Intergovernmental Panel on Climate Change / UN Framework Convention on Climate Change			7,900,000.00	7,900,000.00	Committed	ODA	Grant	Cross-cutting	Cross-cutting
Montreal Protocol Multilateral Fund			36,450,000.00	36,450,000.00	Committed	ODA	Grant	Mitigation	Energy

Abbreviations: ODA = official development assistance, OOF = other official flows.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^c Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

^d This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

^e Parties should explain in their biennial reports how they define funds as being climate-specific.

^f Please specify.

^g Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Custom Footnotes

Table 7(b)

USA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Total contributions through bilateral, regional and other channels	2,825,550,450.00	2,825,550,450.00						
Multiple Regions, Multiple Countries /	74,100,000.00	74,100,000.00	Committed	ODA	Grant	Mitigation	Energy	
Multiple Regions, Multiple Countries /	73,226,200.00	73,226,200.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Multiple Regions, Multiple Countries /	301,712,443.00	301,712,443.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Multiple Regions, Multiple Countries /	55,000,000.00	55,000,000.00	Committed	Other (Investment Fund \$50M, Insurance \$5M)	Other (Investment Fund \$50M, Insurance \$5M)	Mitigation	Energy	
Africa, Multiple Countries /	12,600,000.00	12,600,000.00	Committed	ODA	Grant	Mitigation	Energy	
Africa, Multiple Countries /	26,162,500.00	26,162,500.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Africa, Multiple Countries /	13,850,000.00	13,850,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Ethiopia /	7,000,000.00	7,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Ethiopia /	16,100,000.00	16,100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Ghana /	645,000.00	645,000.00	Committed	ODA	Grant	Mitigation	Energy	
Ghana /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Kenya /	4,600,000.00	4,600,000.00	Committed	ODA	Grant	Mitigation	Energy	
Kenya /	50,000.00	50,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Kenya /	5,350,000.00	5,350,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

USA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Kenya /	310,000,000.00	310,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Liberia /	90,000,000.00	90,000,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
Malawi /	141,075,000.00	141,075,000.00	Committed	ODA	Grant	Mitigation	Energy	
Malawi /	5,900,000.00	5,900,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Malawi /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Mali /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Mozambique /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Namibia /	79,000.00	79,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Nigeria /	2,800,000.00	2,800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Nigeria /	3,500,000.00	3,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Rwanda /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Rwanda /	4,800,000.00	4,800,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Senegal /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
South Africa /	4,861,400.00	4,861,400.00	Committed	ODA	Grant	Mitigation	Energy	
United Republic of Tanzania /	700,000.00	700,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
United Republic of Tanzania /	3,200,000.00	3,200,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

USA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Uganda /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Zambia /	5,000,000.00	5,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Zambia /	750,000.00	750,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Asia Pacific, Multiple Countries /	15,220,000.00	15,220,000.00	Committed	ODA	Grant	Mitigation	Energy	
Asia Pacific, Multiple Countries /	13,365,000.00	13,365,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Asia Pacific, Multiple Countries /	20,550,000.00	20,550,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Afghanistan /	73,500,000.00	73,500,000.00	Committed	ODA	Grant	Mitigation	Energy	
Bangladesh /	20,129,000.00	20,129,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Cambodia /	5,000,000.00	5,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Cambodia /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Cambodia /	900,000.00	900,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Agriculture, Forestry	
China /	3,802,380.00	3,802,380.00	Committed	ODA	Grant	Mitigation	Energy	
India /	7,483,647.00	7,483,647.00	Committed	ODA	Grant	Mitigation	Energy	
India /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
India /	3,400,000.00	3,400,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

USA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
India /	91,140,000.00	91,140,000.00	Committed	Other (Insurance \$4.44M, Loan Guarantee \$86.7M)	Other (Insurance \$4.44M, Loan Guarantee \$86.7M)	Mitigation	Energy	
India /	180,000,000.00	180,000,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
India /	122,700,000.00	122,700,000.00	Committed	Other (Loan)	Non-Concessional Loan	Mitigation	Energy	
Indonesia /	266,800,000.00	266,800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Indonesia /	83,900,000.00	83,900,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Indonesia /	10,180,000.00	10,180,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Kyrgyzstan /	330,000.00	330,000.00	Committed	ODA	Grant	Mitigation	Energy	
Maldives /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Nepal /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Nepal /	4,400,000.00	4,400,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Pakistan /	42,000,000.00	42,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Philippines /	5,646,000.00	5,646,000.00	Committed	ODA	Grant	Mitigation	Energy	
Philippines /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Philippines /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Tajikistan /	600,000.00	600,000.00	Committed	ODA	Grant	Mitigation	Energy	

Table 7(b)

USA_BR1_v3.0

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Thailand /	250,000,000.00	250,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Timor-Leste /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Viet Nam /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Viet Nam /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Viet Nam /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Europe & Eurasia, Multiple Countries /	9,100,000.00	9,100,000.00	Committed	ODA	Grant	Mitigation	Energy	
Europe & Eurasia, Multiple Countries /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Europe & Eurasia, Multiple Countries /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Albania /	400,000.00	400,000.00	Committed	ODA	Grant	Mitigation	Energy	
Armenia /	400,000.00	400,000.00	Committed	ODA	Grant	Mitigation	Energy	
Armenia /	1,100,000.00	1,100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Bosnia and Herzegovina /	800,000.00	800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Georgia /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Georgia /	500,000.00	500,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Georgia /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Georgia /	58,000,000.00	58,000,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
The former Yugoslav Republic of Macedonia /	500,000.00	500,000.00	Committed	ODA	Grant	Mitigation	Energy	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Republic of Moldova /	300,000.00	300,000.00	Committed	ODA	Grant	Mitigation	Energy	
Ukraine /	6,000,000.00	6,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Latin America and the Caribbean, Multiple Countries /	5,000,000.00	5,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Latin America and the Caribbean, Multiple Countries /	17,400,000.00	17,400,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Latin America and the Caribbean, Multiple Countries /	9,300,000.00	9,300,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Barbados /	2,300,000.00	2,300,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Bolivia /	900,000.00	900,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Brazil /	4,179,000.00	4,179,000.00	Committed	ODA	Grant	Mitigation	Energy	
Brazil /	3,800,000.00	3,800,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Brazil /	99,000.00	99,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Chile /	157,000.00	157,000.00	Committed	ODA	Grant	Mitigation	Energy	
Chile /	2,161,000.00	2,161,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Colombia /	4,470,000.00	4,470,000.00	Committed	ODA	Grant	Mitigation	Energy	
Colombia /	2,020,000.00	2,020,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Colombia /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Dominican Republic /	2,958,000.00	2,958,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Ecuador /	5,900,000.00	5,900,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
El Salvador /	267,000.00	267,000.00	Committed	ODA	Grant	Mitigation	Energy	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
El Salvador /	100,000.00	100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Guatemala /	7,050,000.00	7,050,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Guatemala /	3,544,000.00	3,544,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Guatemala /	4,600,000.00	4,600,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Haiti /	1,800,000.00	1,800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Haiti /	1,500,000.00	1,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Honduras /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Jamaica /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Jamaica /	432,000.00	432,000.00	Committed	Other (Loan)	Non-Concessional Loan	Mitigation	Energy	
Mexico /	6,153,000.00	6,153,000.00	Committed	ODA	Grant	Mitigation	Energy	
Mexico /	8,000,000.00	8,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Mexico /	2,319,000.00	2,319,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Peru /	14,035,000.00	14,035,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Peru /	2,005,000.00	2,005,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Peru /	123,000,000.00	123,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Saint Kitts and Nevis /	16,100,000.00	16,100,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
Egypt /	469,000.00	469,000.00	Committed	ODA	Grant	Mitigation	Energy	
Jordan /	3,000,000.00	3,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Morocco /	1,824,880.00	1,824,880.00	Committed	ODA	Grant	Mitigation	Energy	
Morocco /	2,500,000.00	2,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Middle East and North Africa, Other Operating Units /	39,000,000.00	39,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
/ Project Details			Committed					

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Custom Footnotes

Provision of public financial support: contribution through bilateral, regional and other channels in 2011^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						

Details on individual projects and programs available at www.state.gov/faststartfinance, which contains more than 350 country-level fact sheets from the Fast Start Finance period.

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Total contributions through bilateral, regional and other channels	1,836,130,507.00	1,836,130,507.00						
Multiple Regions, Multiple Countries /	58,700,000.00	58,700,000.00	Committed	ODA	Grant	Mitigation	Energy	
Multiple Regions, Multiple Countries /	74,768,598.00	74,768,598.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Multiple Regions, Multiple Countries /	121,705,759.00	121,705,759.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Multiple Regions, Multiple Countries /	11,500,000.00	11,500,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Africa, Multiple Countries /	11,700,500.00	11,700,500.00	Committed	ODA	Grant	Mitigation	Energy	
Africa, Multiple Countries /	17,188,944.00	17,188,944.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Africa, Multiple Countries /	16,850,000.00	16,850,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Burkina Faso /	1,800,000.00	1,800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Cape Verde /	41,000,000.00	41,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Democratic Republic of the Congo /	2,230,000.00	2,230,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Ethiopia /	22,870,000.00	22,870,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Gabon /	215,000.00	215,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Kenya /	3,999,902.00	3,999,902.00	Committed	ODA	Grant	Mitigation	Energy	
Kenya /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Kenya /	3,500,000.00	3,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Liberia /	5,500,000.00	5,500,000.00	Committed	ODA	Grant	Mitigation	Energy	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Liberia /	4,400,000.00	4,400,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Liberia /	1,800,000.00	1,800,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Malawi /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Mozambique /	4,650,000.00	4,650,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Malawi /	4,950,000.00	4,950,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Nigeria /	3,380,000.00	3,380,000.00	Committed	ODA	Grant	Mitigation	Energy	
Rwanda /	3,450,000.00	3,450,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Senegal /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
South Africa /	3,095,455.00	3,095,455.00	Committed	ODA	Grant	Mitigation	Energy	
South Africa /	250,000,000.00	250,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Nigeria /	1,719,000.00	1,719,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Tanzania /	190,000.00	190,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Uganda /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Tanzania /	5,910,000.00	5,910,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Zambia /	5,000,000.00	5,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Zambia /	800,000.00	800,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Asia Pacific, Multiple Countries /	5,418,968.00	5,418,968.00	Committed	ODA	Grant	Mitigation	Energy	
Asia Pacific, Multiple Countries /	8,500,000.00	8,500,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Asia Pacific, Multiple Countries /	17,550,000.00	17,550,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Afghanistan /	79,600,000.00	79,600,000.00	Committed	ODA	Grant	Mitigation	Energy	
Bangladesh /	4,500,000.00	4,500,000.00	Committed	ODA	Grant	Mitigation	Energy	
Bangladesh /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Bangladesh /	9,000,000.00	9,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Cambodia /	3,550,000.00	3,550,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Cambodia /	3,950,000.00	3,950,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
China /	2,206,747.00	2,206,747.00	Committed	ODA	Grant	Mitigation	Energy	
India /	10,000,000.00	10,000,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
India /	4,595,530.00	4,595,530.00	Committed	ODA	Grant	Mitigation	Energy	
India /	201,600,000.00	201,600,000.00	Committed	Other (Loan)	Non-Concessional Loan	Mitigation	Energy	
India /	4,035,000.00	4,035,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
India /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
India /	251,935,000.00	251,935,000.00	Committed	Other (Insurance \$1.93M, Loan Guarantee \$250M)	Other (Insurance \$1.93M, Loan Guarantee \$250M)	Mitigation	Energy	
Indonesia /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Indonesia /	8,449,000.00	8,449,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Indonesia /	4,149,644.00	4,149,644.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Kazakhstan /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Kyrgyzstan /	689,620.00	689,620.00	Committed	ODA	Grant	Mitigation	Energy	
Maldives /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Nepal /	4,500,000.00	4,500,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Nepal /	4,798,000.00	4,798,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Pakistan /	31,800,000.00	31,800,000.00	Committed	ODA	Grant	Mitigation	Energy	
Pakistan /	16,700,000.00	16,700,000.00	Committed	OOF	Non-Concessional Loan	Mitigation	Energy	
Papua New Guinea /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Philippines /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Philippines /	5,760,000.00	5,760,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Philippines /	2,800,000.00	2,800,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Timor-Leste /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Viet Nam /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Viet Nam /	1,900,000.00	1,900,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Viet Nam /	2,950,000.00	2,950,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Europe & Eurasia, Multiple Countries /	3,400,000.00	3,400,000.00	Committed	ODA	Grant	Mitigation	Energy	
Albania /	400,000.00	400,000.00	Committed	ODA	Grant	Mitigation	Energy	
Armenia /	1,600,000.00	1,600,000.00	Committed	ODA	Grant	Mitigation	Energy	
Bosnia and Herzegovina /	590,000.00	590,000.00	Committed	ODA	Grant	Mitigation	Energy	
Georgia /	3,950,000.00	3,950,000.00	Committed	ODA	Grant	Mitigation	Energy	
Georgia /	750,000.00	750,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Georgia /	100,000.00	100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Macedonia /	794,000.00	794,000.00	Committed	ODA	Grant	Mitigation	Energy	
Macedonia /	200,000.00	200,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Ukraine /	7,100,000.00	7,100,000.00	Committed	ODA	Grant	Mitigation	Energy	
Latin America and the Caribbean, Multiple Countries /	6,387,721.00	6,387,721.00	Committed	ODA	Grant	Mitigation	Energy	
Latin America and the Caribbean, Multiple Countries /	18,000,000.00	18,000,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Latin America and the Caribbean, Multiple Countries /	7,000,000.00	7,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Barbados /	1,500,000.00	1,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Barbados /	6,400,000.00	6,400,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Brazil /	8,650,000.00	8,650,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Brazil /	48,600,000.00	48,600,000.00	Committed	Other (Loan)	Non-Concessional Loan	Mitigation	Energy	
Brazil /	32,100,000.00	32,100,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Colombia /	4,000,000.00	4,000,000.00	Committed	ODA	Grant	Mitigation	Energy	
Colombia /	4,500,000.00	4,500,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Colombia /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Dominican Republic /	3,000,000.00	3,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Ecuador /	2,800,000.00	2,800,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Ecuador /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
El Salvador /	700,000.00	700,000.00	Committed	ODA	Grant	Mitigation	Energy	
El Salvador /	100,000.00	100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Guatemala /	4,500,000.00	4,500,000.00	Committed	ODA	Grant	Mitigation	Forestry, Agriculture	
Guatemala /	3,100,000.00	3,100,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Haiti /	3,500,000.00	3,500,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Honduras /	75,000.00	75,000.00	Committed	ODA	Grant	Mitigation	Energy	

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						
Honduras /	1,250,000.00	1,250,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Honduras /	3,975,000.00	3,975,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Jamaica /	1,000,000.00	1,000,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Jamaica /	2,000,000.00	2,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Mexico /	5,405,000.00	5,405,000.00	Committed	ODA	Grant	Mitigation	Energy	
Mexico /	1,000,000.00	1,000,000.00	Committed	Other (Insurance)	Other (Insurance)	Mitigation	Energy	
Mexico /	10,400,000.00	10,400,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Peru /	10,725,000.00	10,725,000.00	Committed	ODA	Grant	Mitigation	Agriculture, Forestry	
Peru /	193,000,000.00	193,000,000.00	Committed	Other (Loan Guarantee)	Other (Loan Guarantee)	Mitigation	Energy	
Peru /	2,647,000.00	2,647,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	
Jordan /	454,500.00	454,500.00	Committed	ODA	Grant	Mitigation	Energy	
Morocco /	666,619.00	666,619.00	Committed	ODA	Grant	Mitigation	Energy	
Middle East and North Africa, Other Operating Units /	22,000,000.00	22,000,000.00	Committed	ODA	Grant	Adaptation	Cross-cutting	

Abbreviations: ODA = official development assistance, OOF = other official flows; USD = United States dollars.

^a Parties should fill in a separate table for each year, namely 2011 and 2012, where 2014 is the reporting year.

^b Parties should report, to the extent possible, on details contained in this table.

^c Parties should explain, in their biennial reports, the methodologies used to specify the funds as provided, committed and/or pledged. Parties will provide the information for as many status categories as appropriate in the following order of priority: provided, committed, pledged.

Table 7(b)

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Provision of public financial support: contribution through bilateral, regional and other channels in 2012^a

Recipient country/ region/project/programme ^b	Total amount		Status ^c	Funding source ^g	Financial instrument ^g	Type of support ^{g, h}	Sector ^d	Additional information ^e
	Climate-specific ^f							
	American dollar - USD	USD						

^d Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under “Other”.

^e Parties should report, as appropriate, on project details and the implementing agency.

^f Parties should explain in their biennial reports how they define funds as being climate-specific.

^g Please specify.

^h Cross-cutting type of support refers to funding for activities which are cross-cutting across mitigation and adaptation.

Custom Footnotes

Details on individual projects and programs available at www.state.gov/faststartfinance, which contains more than 350 country-level fact sheets from the Fast Start Finance period.

Table 8

USA_BR1_v3.0

Provision of technology development and transfer support^{a,b}

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector^c</i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information^d</i>
Global	Mitigation	Global Methane Initiative	Energy	Public	Public	Implemented	Focuses on best practices/technologies for evaluating and measuring methane emissions from target sectors, and mitigation technologies/ best practices, such as coal mine gas and landfill methane capture systems, biodigestors, and technologies for reducing oil and gas sector methane emissions.Reduced methane emissions by approximately 23 million metric tons (23 Tg CO2e) in 2012 alone; cumulative emission reductions exceed 150 Tg CO2e.
Global	Mitigation	Super-efficient Equipment and Appliance Deployment Initiative (SEAD)	Energy	Public	Public	Implemented	Peer-to-peer exchange among technical and policy experts from participating governments; complementary activities that develop clear, broadly accepted test procedures for products; and collaboration with industry to ensure its participation in promoting a transition to energy-efficient products. Employing current best practices in SEAD economies can by 2030 reduce annual electricity demand by more than 2,000 billion kilowatt-hours. These measures would decrease CO2 emissions over the next two decades by 11 billion tons (1,000 Tg CO2e).
Global	Mitigation	Global Lighting and Energy Access Partnership (Global LEAP)	Energy	Public	Public	Implemented	Quality assurance activities for solar- powered lanterns for off-grid lighting (lanterns that replace kerosene-based lighting), a global competition in two categories (lights and televisions) to identify the best DC-powered products in the market for use in an off-grid context, and efforts to advance commercially viable mini-grid solutions for rural energy access. An estimated 423,200 metric tons of CO2e (0.4232 TgCO2e) have been avoided thus far, through 3Q 2013. This includes both avoided CO2 emitted from kerosene combustion for lighting as well as the CO2 equivalent of the black carbon from kerosene wick and hurricane lamps.
Global (Central America, East Africa, and Hindu Kush-Himalaya)	Mitigation and Adaptation	SERVIR	Other (Water, agriculture, land cover, climate, disasters, biodiversity, ecosystems)	Public	Public	Implemented	USAID and NASA collaboration to build capacity of regional institutions in developing countries to improve environmental management and climate change resilience through the application of geospatial information in decision making. Decision support will aid land and forest manage-ment, monitoring, emission estima-tions, and policy improvement, leading to emission reductions, as well as disaster risk reduction and adaptation to climate variability and change.

Table 8

USA_BR1_v3.0

Provision of technology development and transfer support^{a,b}

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector^c</i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information^d</i>
Afghanistan, Angola, Burkina Faso, Central African Republic, Chad, Djibouti, Ethiopia, Guatemala, Haiti, Honduras, Kenya, Madagascar, Malawi, Mali, Mauritania, Mozambique, Nicaragua, Niger, Nigeria, Rwanda, Senegal, Somalia, Sudan, South Sudan, Tajikistan, Uganda, Yemen, Zambia, Zimbabwe	Adaptation	Famine Early Warning System Network (FEWS NET)	Other (Adaptation)	Public	Public	Implemented	Assesses short- to long-term vulnerability to food insecurity with environmental information from satellites and agricultural and socio- economic information from field representatives; conducts vulnerability assessments and contingency and response planning, aimed at strengthening host country food security networks.
Governments of Colombia, Peru, Ecuador, Vietnam, and Gabon. Regional training activities in South and Central America, Congo Basin, and Southeast Asia.	Mitigation	SilvaCarbon	Other (Forestry)	Public	Public	Implemented	A multi-agency U.S. government effort to improve developing country capacity for forest and other terrestrial carbon measurement and monitoring, through coordinated support on tool and methodology development and training to use appropriate methods for building and implementing forest carbon monitoring systems. Providing countries with improved capacity to measure and report on current carbon stocks and emissions and use information together with other natural resource management data to reduce emissions from future deforestation.

^a To be reported to the extent possible.

^b The tables should include measures and activities since the last national communication or biennial report.

^c Parties may report sectoral disaggregation, as appropriate.

^d Additional information may include, for example, funding for technology development and transfer provided, a short description of the measure or activity and co-financing arrangements.

Custom Footnotes

Note: This table is purely illustrative and is not a comprehensive list of U.S. technology development and transfer activities.

Table 9

Provision of capacity-building support^a

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project</i> ^{b,c}
Global	Adaptation	Climate Services Partnership (CSP)	USAID is working with the UK Met Office, the World Bank, the WMO’s Global Framework for Climate Services, and developing countries to build the capacity of national weather services to deliver accurate climate information that will facilitate the efforts of government ministries, private-sector entities, and other stakeholders to take effective adaptation actions. CSP is also compiling and disseminating current climate services experiences, conducting case studies and assessments of climate services, exploring economic valuation of climate services, developing a climate information guidebook, and piloting a nation-level climate services analysis.
Albania, Bangladesh, Cambodia, Colombia, Costa Rica, Gabon, Guatemala, Indonesia, Jamaica, Kazakhstan, Kenya, Macedonia, Malawi, Mexico, Moldova, Peru, Philippines, Serbia, South Africa, Thailand, Viet Nam, Zambia	Mitigation	Enhancing Capacity for Low Emission Development Strategies (EC-LEDs)	This program supports partner countries in developing low-emission development strategies (LEDs) and country-led national plans to promote sustainable development while reducing GHG emissions. EC-LEDs provides countries with technical assistance to develop GHG inventories, conduct a range of economic analyses, and plan and implement LEDs across multiple economic sectors. Anticipated actions stemming from LEDs include putting policies, regulations, and infrastructure in place to dramatically increase clean energy use, and energy efficiency and piloting payments for sustainable forest management, including REDD+ arrangements.
Global	Mitigation	Forest Carbon, Markets, and Communities (FCMC)	FCMC provides technical support and capacity building to partner country governments around the world. Capacity building supports analysis, evaluation, tools, and guidance for program design support, training materials, and other services to improve the management and conservation of natural forests.
Africa	Mitigation	Africa Infrastructure Program (AIP)	AIP works with partner countries in Africa to build capacity for regulatory reforms, tariff formulation, and key analyses required to support clean energy for power grids. AIP also provides transaction advisory services and technical, financial, commercial, regulatory, legal, and environmental support to specific clean energy projects.
Peru, the Himalaya Hindu-Kush region of South Asia, and the Pamir Mountain region of Central Asia	Adaptation	High Mountains Adaptation Partnership (HIMAP)	With support from USAID and DOS, HIMAP facilitates South– South learning to understand and manage climate-related challenges in high-mountain communities. The program has pioneered rapid assessment techniques for studying the risks of glacier lakes, and has supported community-led consultation and planning to address these risks in a timely and effective fashion.

^a To be reported to the extent possible.

^b Each Party included in Annex II to the Convention shall provide information, to the extent possible, on how it has provided capacity-building support that responds to the existing and emerging capacity-building needs identified by Parties not included in Annex I to the Convention in the areas of mitigation, adaptation and technology development and transfer.

^c Additional information may be provided on, for example, the measure or activity and co-financing arrangements.

Custom Footnotes

Note: This table is purely illustrative and does not represent an exhaustive list of U.S. capacity-building activities.