

## BR CTF submission workbook

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Table 1

NZL\_BR1\_v4.0

**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 1 of 3)**

CRF: NZL\_CRF\_\_v1.2

<i>GREENHOUSE GAS EMISSIONS</i>	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	-3,148.22	-3,619.79	-458.38	-639.05	805.76	2,939.71	5,041.48	6,622.47	3,993.23
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	25,047.06	25,689.64	27,593.54	27,136.72	27,259.40	27,384.61	28,670.50	30,924.97	29,380.96
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	25,707.88	25,886.01	25,500.47	25,631.67	26,193.92	26,439.71	27,033.69	27,583.20	26,833.59
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	25,650.33	25,847.83	25,448.78	25,563.31	26,112.93	26,366.26	26,947.92	27,500.65	26,725.21
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	8,325.64	8,440.87	8,365.85	8,595.67	8,947.52	9,216.11	9,324.16	9,483.51	9,340.62
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	8,300.60	8,418.47	8,342.68	8,571.07	8,922.25	9,192.22	9,299.44	9,459.60	9,314.00
HFCs	NA, NO	NA, NO	1.30	2.60	57.57	122.81	198.01	61.96	257.52
PFCs	629.87	625.05	396.61	180.45	159.87	131.16	236.77	172.52	125.34
SF <sub>6</sub>	15.20	15.77	16.49	16.93	17.29	17.88	17.65	18.17	16.90
<b>Total (including LULUCF)</b>	31,530.38	31,347.91	33,822.33	33,788.27	36,181.93	38,867.38	41,851.76	43,941.84	40,567.18
<b>Total (excluding LULUCF)</b>	59,643.06	60,596.77	61,799.40	61,471.09	62,529.32	63,214.93	65,370.28	68,137.87	65,819.91

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq
1. Energy	23,487.69	23,918.61	25,789.93	25,202.21	25,455.66	25,527.32	27,055.39	29,333.60	27,670.39
2. Industrial Processes	3,392.84	3,531.31	3,362.73	3,262.54	3,178.60	3,305.23	3,465.54	3,202.79	3,442.66
3. Solvent and Other Product Use	41.54	42.78	43.09	43.71	44.33	44.95	45.88	46.19	46.50
4. Agriculture	30,661.93	31,013.22	30,501.98	30,844.27	31,823.91	32,279.28	32,719.57	33,453.46	32,563.45
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-28,112.69	-29,248.85	-27,977.07	-27,682.82	-26,347.39	-24,347.55	-23,518.52	-24,196.04	-25,252.72
6. Waste	2,059.06	2,090.84	2,101.66	2,118.36	2,026.81	2,058.15	2,083.91	2,101.84	2,096.90
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	31,530.38	31,347.91	33,822.33	33,788.27	36,181.93	38,867.38	41,851.76	43,941.84	40,567.18

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

<sup>1</sup> 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

NZL\_BR1\_v4.0

**Emission trends: summary <sup>(1)</sup>**  
**(Sheet 2 of 3)**

CRF: NZL\_CRF\_\_ v1.2

<i>GREENHOUSE GAS EMISSIONS</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	5,776.70	7,379.83	10,668.45	14,123.80	14,328.73	12,576.14	14,665.26	16,569.24	17,616.88	12,828.63
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	30,852.46	31,350.29	33,452.17	33,630.53	35,364.17	34,934.88	36,386.41	36,311.72	35,630.04	36,451.32
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	27,185.90	27,942.10	28,031.05	27,960.19	28,154.52	28,056.95	28,413.38	28,493.43	27,353.51	26,482.97
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	27,116.12	27,886.67	27,973.50	27,902.79	28,097.71	28,014.41	28,357.86	28,446.06	27,293.19	26,438.52
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	9,499.53	9,861.97	10,226.83	10,600.01	10,942.98	11,006.07	11,126.12	11,001.90	10,570.57	10,329.31
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	9,477.83	9,842.14	10,207.49	10,581.35	10,924.69	10,989.90	11,109.37	10,986.44	10,554.05	10,315.14
HFCs	264.46	252.99	336.04	504.64	664.65	452.07	712.16	666.41	927.66	807.26
PFCs	58.96	58.06	60.64	71.91	107.83	84.53	59.57	90.99	41.47	38.84
SF <sub>6</sub>	16.06	10.57	10.91	14.92	17.60	22.31	19.03	15.47	14.70	15.13
<b>Total (including LULUCF)</b>	<b>42,801.61</b>	<b>45,505.52</b>	<b>49,333.91</b>	<b>53,275.47</b>	<b>54,216.32</b>	<b>52,198.07</b>	<b>54,995.52</b>	<b>56,837.43</b>	<b>56,524.78</b>	<b>50,502.14</b>
<b>Total (excluding LULUCF)</b>	<b>67,785.89</b>	<b>69,400.72</b>	<b>72,040.75</b>	<b>72,706.13</b>	<b>75,176.66</b>	<b>74,498.10</b>	<b>76,644.41</b>	<b>76,517.08</b>	<b>74,461.10</b>	<b>74,066.21</b>

<i>GREENHOUSE GAS SOURCE AND SINK CATEGORIES</i>	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>	<i>kt CO<sub>2</sub> eq</i>
1. Energy	29,082.25	29,657.78	31,699.45	31,882.25	33,225.21	32,758.21	34,153.07	34,163.05	33,219.96	34,348.54
2. Industrial Processes	3,579.70	3,523.76	3,707.94	3,864.52	4,276.57	4,011.77	4,291.13	4,280.32	4,655.84	4,294.03
3. Solvent and Other Product Use	46.81	47.12	47.43	56.11	52.39	48.36	44.33	40.30	43.40	31.00
4. Agriculture	32,986.85	34,058.41	34,445.63	34,742.02	35,503.54	35,547.00	35,986.34	35,916.19	34,446.62	33,332.24
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-24,984.28	-23,895.20	-22,706.84	-19,430.67	-20,960.35	-22,300.03	-21,648.89	-19,679.65	-17,936.32	-23,564.07
6. Waste	2,090.28	2,113.65	2,140.30	2,161.23	2,118.96	2,132.77	2,169.55	2,117.21	2,095.28	2,060.40
7. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total (including LULUCF)</b>	<b>42,801.61</b>	<b>45,505.52</b>	<b>49,333.91</b>	<b>53,275.47</b>	<b>54,216.32</b>	<b>52,198.07</b>	<b>54,995.52</b>	<b>56,837.43</b>	<b>56,524.78</b>	<b>50,502.14</b>

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

Table 1

NZL\_BR1\_v4.0

**Emission trends: summary<sup>(1)</sup>**  
**(Sheet 3 of 3)**

CRF: NZL\_CRF\_\_v1.2

GREENHOUSE GAS EMISSIONS	2009	2010	2011	Change from base to latest reported year
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	(%)
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	11,630.33	15,519.81	19,556.20	-721.18
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	33,521.18	33,403.15	33,162.22	32.40
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	26,913.52	26,930.19	27,101.64	5.42
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	26,853.62	26,875.70	27,050.15	5.46
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	10,142.88	10,444.45	10,704.03	28.57
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	10,127.80	10,429.95	10,689.68	28.78
HFCs	872.41	1,077.69	1,885.07	100.00
PFCs	46.14	40.81	30.18	-95.21
SF <sub>6</sub>	19.79	20.46	17.62	15.89
<b>Total (including LULUCF)</b>	<b>49,625.06</b>	<b>54,033.41</b>	<b>59,294.74</b>	<b>88.06</b>
<b>Total (excluding LULUCF)</b>	<b>71,440.94</b>	<b>71,847.77</b>	<b>72,834.93</b>	<b>22.12</b>

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	kt CO <sub>2</sub> eq	(%)
1. Energy	31,579.38	31,317.45	31,003.32	32.00
2. Industrial Processes	4,290.58	4,764.22	5,430.99	60.07
3. Solvent and Other Product Use	27.90	31.00	27.90	-32.84
4. Agriculture	33,500.42	33,722.30	34,387.32	12.15
5. Land Use, Land-Use Change and Forestry <sup>b</sup>	-21,815.88	-17,814.36	-13,540.19	-51.84
6. Waste	2,042.67	2,012.80	1,985.40	-3.58
7. Other	NA	NA	NA	0.00
<b>Total (including LULUCF)</b>	<b>49,625.06</b>	<b>54,033.41</b>	<b>59,294.74</b>	<b>88.06</b>

*Notes:*

(1) Further detailed information could be found in the common reporting format tables of the Party's greenhouse gas inventory, namely "Emission trends (CO<sub>2</sub>)", "Emission trends (CH<sub>4</sub>)", "Emission trends (N<sub>2</sub>O)" and "Emission trends (HFCs, PFCs and SF<sub>6</sub>)", which is included in an annex to this biennial report.

(2) 2011 is the latest reported inventory year.

(3) 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

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

<sup>a</sup> 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.

<sup>b</sup> Includes net CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O from LULUCF.

*Custom Footnotes*

Table 1 (a)

NZL\_BR1\_v4.0

Emission trends (CO<sub>2</sub>)

(Sheet 1 of 3)

CRF: NZL\_CRF\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	22,286.38	22,786.24	24,632.31	24,061.38	24,302.75	24,338.61	25,645.15	27,962.68	26,325.99
A. Fuel Combustion (Sectoral Approach)	21,827.46	22,232.21	24,092.73	23,543.50	23,762.65	23,838.83	24,979.51	27,234.47	25,619.41
1. Energy Industries	5,955.71	6,070.15	7,547.88	6,616.22	5,512.24	4,786.86	5,537.96	7,131.90	5,566.15
2. Manufacturing Industries and Construction	4,639.31	5,108.70	4,961.34	5,199.27	5,519.51	5,588.69	5,969.64	6,359.03	6,018.43
3. Transport	8,439.17	8,448.12	8,796.62	9,260.52	9,940.00	10,591.24	10,745.02	10,972.32	11,165.21
4. Other Sectors	2,793.27	2,605.24	2,786.88	2,467.49	2,790.90	2,872.03	2,726.90	2,771.21	2,869.62
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	458.92	554.03	539.58	517.88	540.10	499.78	665.64	728.21	706.58
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	458.92	554.03	539.58	517.88	540.10	499.78	665.64	728.21	706.58
<b>2. Industrial Processes</b>	2,747.77	2,890.49	2,948.34	3,062.56	2,943.87	3,033.38	3,013.10	2,950.13	3,042.91
A. Mineral Products	561.85	572.40	648.53	646.69	625.38	674.58	646.18	695.07	650.95
B. Chemical Industry	430.20	447.73	400.44	423.50	445.41	423.77	410.86	442.09	480.50
C. Metal Production	1,755.71	1,870.36	1,899.37	1,992.36	1,873.08	1,935.03	1,956.06	1,812.97	1,911.47
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6									
F. Consumption of Halocarbons and SF6									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
<b>4. Agriculture</b>									
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									
<b>5. Land Use, Land-Use Change and Forestry</b>	-28,195.28	-29,309.43	-28,051.93	-27,775.77	-26,453.64	-24,444.90	-23,629.02	-24,302.50	-25,387.72
A. Forest Land	-27,738.48	-29,024.50	-27,941.93	-27,921.19	-26,871.86	-25,109.93	-24,543.51	-25,513.24	-26,893.04
B. Cropland	549.43	541.76	534.27	527.27	520.58	510.79	501.15	494.76	488.36
C. Grassland	-1,275.64	-1,084.31	-891.16	-617.75	-326.40	-57.41	213.06	527.23	839.50
D. Wetlands	167.30	159.59	151.89	144.18	136.47	128.76	121.06	113.35	105.64
E. Settlements	97.57	93.44	90.38	87.03	82.85	78.10	74.39	70.52	66.89
F. Other Land	4.54	4.58	4.63	4.68	4.73	4.78	4.83	4.88	4.93
G. Other	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA
<b>6. Waste</b>	12.91	12.91	12.90	12.78	12.78	12.62	12.25	12.16	12.05
A. Solid Waste Disposal on Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
B. Waste-water Handling									
C. Waste Incineration	12.91	12.91	12.90	12.78	12.78	12.62	12.25	12.16	12.05
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Other (as specified in the summary table in CRF)	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO2 emissions including net CO2 from LULUCF</b>	-3,148.22	-3,619.79	-458.38	-639.05	805.76	2,939.71	5,041.48	6,622.47	3,993.23
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	25,047.06	25,689.64	27,593.54	27,136.72	27,259.40	27,384.61	28,670.50	30,924.97	29,380.96
<b>Memo Items:</b>									
<b>International Bunkers</b>	2,340.47	2,184.46	2,112.96	2,188.96	2,621.37	2,720.77	2,690.42	2,716.80	2,828.65
Aviation	1,308.44	1,269.34	1,245.76	1,271.37	1,268.59	1,585.87	1,611.10	1,597.67	1,752.51
Marine	1,032.03	915.12	867.20	917.59	1,352.77	1,134.89	1,079.32	1,119.13	1,076.14
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>	4,170.91	4,272.00	4,274.71	4,499.04	4,722.08	4,862.89	4,662.02	4,872.75	5,150.82

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

Table 1 (a)

NZL\_BR1\_v4.0

Emission trends (CO<sub>2</sub>)  
(Sheet 2 of 3)

CRF: NZL\_CRF\_v1.2

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
<b>1. Energy</b>	27,600.82	28,142.26	30,145.92	30,352.16	31,872.96	31,477.55	32,882.41	32,801.85	31,957.09	33,017.60
A. Fuel Combustion (Sectoral Approach)	26,985.47	27,549.69	29,525.34	29,758.68	31,262.20	30,614.67	31,967.57	31,841.89	30,936.93	31,777.32
1. Energy Industries	6,773.95	6,447.45	7,930.01	7,313.48	8,626.64	8,247.61	10,288.47	10,178.85	8,804.57	9,722.99
2. Manufacturing Industries and Construction	5,825.60	6,091.03	6,441.28	6,713.78	6,109.35	5,592.68	4,794.34	4,746.69	5,194.40	5,236.24
3. Transport	11,402.64	11,942.98	12,022.43	12,494.28	13,029.34	13,330.39	13,392.64	13,523.00	13,649.38	13,667.98
4. Other Sectors	2,983.29	3,068.24	3,131.61	3,237.15	3,496.88	3,443.99	3,492.12	3,393.35	3,288.58	3,150.11
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	615.35	592.57	620.58	593.48	610.76	862.88	914.84	959.96	1,020.17	1,240.28
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	615.35	592.57	620.58	593.48	610.76	862.88	914.84	959.96	1,020.17	1,240.28
<b>2. Industrial Processes</b>	3,240.23	3,202.14	3,300.36	3,273.06	3,486.48	3,452.86	3,500.37	3,507.45	3,672.02	3,432.80
A. Mineral Products	728.34	718.53	716.88	706.95	697.25	666.67	756.17	719.13	861.49	807.02
B. Chemical Industry	527.79	514.46	556.59	539.35	574.35	555.90	561.33	617.01	586.28	580.91
C. Metal Production	1,984.09	1,969.15	2,026.89	2,026.75	2,214.87	2,230.29	2,182.86	2,171.31	2,224.25	2,044.87
D. Other Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE	NA, NE
<b>4. Agriculture</b>										
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										
<b>5. Land Use, Land-Use Change and Forestry</b>	-25,075.76	-23,970.47	-22,783.72	-19,506.73	-21,035.45	-22,358.74	-21,721.15	-19,742.48	-18,013.17	-23,622.69
A. Forest Land	-26,880.63	-27,172.73	-26,211.30	-23,009.22	-25,970.69	-29,476.62	-32,868.71	-32,771.58	-35,057.55	-27,597.24
B. Cropland	481.96	482.10	475.41	462.59	454.80	458.98	470.38	469.62	477.92	396.57
C. Grassland	1,155.75	2,548.51	2,790.99	2,893.24	4,332.90	6,494.78	10,472.86	12,339.98	16,314.89	3,473.55
D. Wetlands	97.93	90.23	82.52	74.81	67.10	59.39	51.69	43.98	36.27	28.56
E. Settlements	64.25	70.43	67.87	62.85	66.77	79.89	107.13	119.58	142.78	45.43
F. Other Land	4.98	10.99	10.80	8.99	13.68	24.83	45.49	55.94	72.54	30.45
G. Other	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA	IE, NA
<b>6. Waste</b>	11.41	5.89	5.89	5.31	4.73	4.48	3.63	2.42	0.93	0.92
A. Solid Waste Disposal on Land	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
B. Waste-water Handling										
C. Waste Incineration	11.41	5.89	5.89	5.31	4.73	4.48	3.63	2.42	0.93	0.92
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CO2 emissions including net CO2 from LULUCF</b>	5,776.70	7,379.83	10,668.45	14,123.80	14,328.73	12,576.14	14,665.26	16,569.24	17,616.88	12,828.63
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	30,852.46	31,350.29	33,452.17	33,630.53	35,364.17	34,934.88	36,386.41	36,311.72	35,630.04	36,451.32
<b>Memo Items:</b>										
<b>International Bunkers</b>	2,735.05	2,529.93	2,735.17	2,804.24	2,837.22	2,935.47	3,168.80	3,115.40	3,243.59	3,387.16
Aviation	1,818.18	1,782.08	1,923.79	1,914.64	1,982.35	2,205.81	2,188.78	2,158.28	2,264.65	2,281.08
Marine	916.87	747.86	811.38	889.60	854.88	729.66	980.02	957.11	978.95	1,106.08
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>	5,684.30	6,179.65	6,101.35	6,555.89	6,628.28	7,124.39	7,091.42	7,059.56	6,762.74	6,300.15

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

Table 1(a)

NZL\_BR1\_v4.0

**Emission trends (CO<sub>2</sub>)**  
**(Sheet 3 of 3)**

CRF: NZL\_CRF\_\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	30,168.01	29,776.98	29,663.18	33.10
A. Fuel Combustion (Sectoral Approach)	28,801.60	28,340.30	28,254.63	29.44
1. Energy Industries	7,526.38	6,758.18	6,452.31	8.33
2. Manufacturing Industries and Construction	4,907.94	5,094.34	4,966.76	7.06
3. Transport	13,492.96	13,641.85	13,835.30	63.94
4. Other Sectors	2,874.32	2,845.93	3,000.25	7.41
5. Other	NA	NA	NA	0.00
B. Fugitive Emissions from Fuels	1,366.42	1,436.67	1,408.55	206.93
1. Solid Fuels	NA, NO	NA, NO	NA, NO	0.00
2. Oil and Natural Gas	1,366.42	1,436.67	1,408.55	206.93
<b>2. Industrial Processes</b>	3,352.24	3,645.51	3,511.68	27.80
A. Mineral Products	752.15	740.21	713.25	26.95
B. Chemical Industry	629.85	630.02	536.43	24.69
C. Metal Production	1,970.24	2,275.27	2,262.01	28.84
D. Other Production	NA	NA	NA	0.00
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
<b>3. Solvent and Other Product Use</b>	NA, NE	NA, NE	NA, NE	0.00
<b>4. Agriculture</b>				
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				
<b>5. Land Use, Land-Use Change and Forestry</b>	-21,890.86	-17,883.35	-13,606.02	-51.74
A. Forest Land	-25,777.06	-21,383.09	-17,758.32	-35.98
B. Cropland	387.41	382.90	381.89	-30.49
C. Grassland	3,424.98	3,051.01	3,713.53	-391.11
D. Wetlands	20.86	20.86	20.86	-87.53
E. Settlements	34.76	34.73	34.70	-64.44
F. Other Land	18.19	10.24	1.32	-70.87
G. Other	IE, NA	IE, NA	IE, NA	0.00
<b>6. Waste</b>	0.92	0.92	0.92	-92.84
A. Solid Waste Disposal on Land	NE, NO	NE, NO	NE, NO	0.00
B. Waste-water Handling				
C. Waste Incineration	0.92	0.92	0.92	-92.84
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CO2 emissions including net CO2 from LULUCF</b>	11,630.33	15,538.57	19,569.50	-721.60
<b>Total CO2 emissions excluding net CO2 from LULUCF</b>	33,521.18	33,421.91	33,175.53	32.45
<b>Memo Items:</b>				
<b>International Bunkers</b>	3,253.63	3,345.03	3,248.79	38.81
Aviation	2,171.68	2,294.73	2,314.89	76.92
Marine	1,081.94	1,050.31	933.90	-9.51
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO2 Emissions from Biomass</b>	5,844.31	6,543.13	6,612.89	58.55

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

<sup>a</sup> 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.

<sup>b</sup> 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)

NZL\_BR1\_v4.0

Emission trends (CH<sub>4</sub>)

(Sheet 1 of 3)

CRF: NZL\_CRF\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	52.08	48.84	49.86	48.68	48.47	49.90	60.77	57.58	55.91
A. Fuel Combustion (Sectoral Approach)	9.26	9.55	8.90	8.82	9.02	9.56	10.23	10.25	9.81
1. Energy Industries	0.22	0.24	0.27	0.25	0.21	0.18	0.22	0.29	0.23
2. Manufacturing Industries and Construction	1.47	2.16	1.93	2.11	2.54	3.35	4.27	4.42	4.23
3. Transport	4.01	3.94	3.79	3.64	3.40	3.17	2.89	2.69	2.49
4. Other Sectors	3.56	3.21	2.91	2.81	2.88	2.86	2.85	2.85	2.86
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	42.82	39.29	40.96	39.86	39.45	40.34	50.54	47.32	46.10
1. Solid Fuels	13.49	9.25	9.50	9.26	10.77	13.53	19.72	14.00	16.06
2. Oil and Natural Gas	29.33	30.04	31.46	30.60	28.68	26.81	30.81	33.32	30.04
<b>2. Industrial Processes</b>	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	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
C. Metal Production	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO
D. Other Production									
E. Production of Halocarbons and SF <sub>6</sub>									
F. Consumption of Halocarbons and SF <sub>6</sub>									
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>									
<b>4. Agriculture</b>	1,083.49	1,095.15	1,075.04	1,081.17	1,111.71	1,121.50	1,137.46	1,165.62	1,130.25
A. Enteric Fermentation	1,059.77	1,070.84	1,051.16	1,056.82	1,086.66	1,096.11	1,111.17	1,138.58	1,104.08
B. Manure Management	21.75	22.25	22.20	22.56	23.48	24.18	24.83	25.49	24.96
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Prescribed Burning of Savannas	1.06	1.25	0.93	0.92	0.65	0.41	0.54	0.50	0.26
F. Field Burning of Agricultural Residues	0.90	0.80	0.76	0.87	0.92	0.80	0.92	1.05	0.94
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	2.74	1.82	2.46	3.26	3.86	3.50	4.08	3.93	5.16
A. Forest Land	0.92	0.76	1.11	1.28	1.80	1.60	1.86	2.05	1.50
B. Cropland	NE	NE	NE	NE	NE	NE	NE	NE	NE
C. Grassland	1.82	1.05	1.35	1.97	2.05	1.90	2.22	1.88	3.66
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	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
<b>6. Waste</b>	90.45	91.79	92.29	92.89	88.47	89.70	90.89	91.61	91.44
A. Solid Waste Disposal on Land	72.11	72.56	73.25	74.00	68.79	69.57	70.46	71.06	70.99
B. Waste-water Handling	18.34	19.23	19.03	18.90	19.67	20.14	20.42	20.55	20.45
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH<sub>4</sub> emissions including CH<sub>4</sub> from LULUCF</b>	1,228.76	1,237.60	1,219.64	1,225.99	1,252.51	1,264.60	1,293.21	1,318.74	1,282.75
<b>Total CH<sub>4</sub> emissions excluding CH<sub>4</sub> from LULUCF</b>	1,226.02	1,235.78	1,217.18	1,222.74	1,248.65	1,261.10	1,289.12	1,314.81	1,277.59
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.09	0.08	0.08	0.08	0.12	0.10	0.10	0.10	0.10
Aviation	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Marine	0.08	0.07	0.07	0.07	0.11	0.09	0.09	0.09	0.09
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>									

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



Table 1(b)

NZL\_BR1\_v4.0

**Emission trends (CH<sub>4</sub>)**

(Sheet 2 of 3)

CRF: NZL\_CRF\_v1.2

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
<b>1. Energy</b>	62.31	64.04	64.98	63.45	51.59	48.02	45.74	50.22	46.59	50.39
A. Fuel Combustion (Sectoral Approach)	10.18	10.73	10.08	10.31	7.69	7.86	6.31	6.24	6.17	6.15
1. Energy Industries	0.28	0.27	0.33	0.28	0.28	0.22	0.28	0.28	0.31	0.28
2. Manufacturing Industries and Construction	4.84	5.61	5.05	5.41	2.79	3.10	1.60	1.71	1.73	1.94
3. Transport	2.26	2.09	2.05	2.00	1.94	1.86	1.75	1.62	1.55	1.44
4. Other Sectors	2.80	2.76	2.65	2.62	2.68	2.68	2.68	2.62	2.56	2.48
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	52.13	53.31	54.90	53.14	43.90	40.16	39.43	43.98	40.42	44.24
1. Solid Fuels	17.67	17.40	17.68	17.70	16.85	15.89	16.78	21.13	13.78	17.11
2. Oil and Natural Gas	34.45	35.91	37.22	35.45	27.04	24.27	22.65	22.85	26.64	27.13
<b>2. Industrial Processes</b>	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. Mineral Products	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
B. Chemical Industry	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
C. Metal Production	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
D. Other Production	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
E. Production of Halocarbons and SF6										
F. Consumption of Halocarbons and SF6										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>										
<b>4. Agriculture</b>	1,143.23	1,177.58	1,179.17	1,177.03	1,197.75	1,197.69	1,212.91	1,215.11	1,164.67	1,122.14
A. Enteric Fermentation	1,117.03	1,149.97	1,150.84	1,148.28	1,168.07	1,168.05	1,182.95	1,184.78	1,134.40	1,092.37
B. Manure Management	25.04	26.26	26.98	27.37	28.38	28.62	28.71	29.05	28.55	28.33
C. Rice Cultivation	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO	NE, NO
E. Prescribed Burning of Savannas	0.22	0.41	0.31	0.36	0.32	0.30	0.38	0.46	0.70	0.55
F. Field Burning of Agricultural Residues	0.94	0.94	1.04	1.03	0.98	0.73	0.88	0.82	1.02	0.90
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	3.32	2.64	2.74	2.73	2.71	2.03	2.64	2.26	2.87	2.12
A. Forest Land	1.07	1.10	1.01	0.98	0.89	0.80	0.72	0.70	1.09	0.76
B. Cropland	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
C. Grassland	2.26	1.54	1.73	1.76	1.81	1.23	1.93	1.55	1.78	1.36
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	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
<b>6. Waste</b>	91.21	92.46	93.63	94.53	92.20	92.74	94.47	92.04	91.05	89.26
A. Solid Waste Disposal on Land	71.24	71.76	72.52	73.52	70.69	71.26	72.08	69.67	69.04	67.01
B. Waste-water Handling	19.98	20.70	21.12	21.01	21.50	21.48	22.39	22.37	22.00	22.25
C. Waste Incineration	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total CH4 emissions including CH4 from LULUCF</b>	1,300.08	1,336.72	1,340.52	1,337.75	1,344.24	1,340.48	1,355.77	1,359.62	1,305.18	1,263.91
<b>Total CH4 emissions excluding CH4 from LULUCF</b>	1,296.76	1,334.08	1,337.78	1,335.01	1,341.54	1,338.46	1,353.12	1,357.37	1,302.31	1,261.80
<b>Memo Items:</b>										
<b>International Bunkers</b>	0.09	0.08	0.08	0.09	0.09	0.08	0.10	0.10	0.10	0.11
Aviation	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
Marine	0.08	0.06	0.07	0.08	0.07	0.06	0.09	0.08	0.09	0.10
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>										

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

Table 1(b)

NZL\_BR1\_v4.0

**Emission trends (CH<sub>4</sub>)**  
**(Sheet 3 of 3)**

CRF: NZL\_CRF\_\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	55.54	62.13	52.91	1.60
A. Fuel Combustion (Sectoral Approach)	6.57	6.51	6.47	-30.08
1. Energy Industries	0.24	0.26	0.23	7.33
2. Manufacturing Industries and Construction	2.38	2.49	2.51	70.34
3. Transport	1.38	1.32	1.25	-68.82
4. Other Sectors	2.57	2.44	2.48	-30.31
5. Other	NA	NA	NA	0.00
B. Fugitive Emissions from Fuels	48.97	55.62	46.44	8.45
1. Solid Fuels	21.88	27.23	19.55	44.94
2. Oil and Natural Gas	27.09	28.39	26.89	-8.33
<b>2. Industrial Processes</b>	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	IE, NA, NO	IE, NA, NO	IE, NA, NO	0.00
C. Metal Production	IE, NA, NE, NO	IE, NA, NE, NO	IE, NA, NE, NO	0.00
D. Other Production				
E. Production of Halocarbons and SF6				
F. Consumption of Halocarbons and SF6				
G. Other	NA	NA	NA	0.00
<b>3. Solvent and Other Product Use</b>				
<b>4. Agriculture</b>	1,137.61	1,133.77	1,152.64	6.38
A. Enteric Fermentation	1,107.31	1,102.61	1,120.76	5.75
B. Manure Management	29.18	29.84	30.83	41.75
C. Rice Cultivation	NO	NO	NO	0.00
D. Agricultural Soils	NE, NO	NE, NO	NE, NO	0.00
E. Prescribed Burning of Savannas	0.20	0.31	0.29	-72.54
F. Field Burning of Agricultural Residues	0.92	1.01	0.75	-16.85
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	2.85	2.59	2.45	-10.54
A. Forest Land	1.04	0.86	0.74	-19.23
B. Cropland	NE	NE	NE	0.00
C. Grassland	1.81	1.73	1.71	-6.18
D. Wetlands	NE	NE	NE	0.00
E. Settlements	NE	NE	NE	0.00
F. Other Land	NE	NE	NE	0.00
G. Other	IE, NA, NE	IE, NA, NE	IE, NA, NE	0.00
<b>6. Waste</b>	88.66	87.14	85.85	-5.09
A. Solid Waste Disposal on Land	66.94	65.05	63.38	-12.10
B. Waste-water Handling	21.72	22.09	22.46	22.47
C. Waste Incineration	0.00	0.00	0.00	-44.40
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total CH4 emissions including CH4 from LULUCF</b>	1,284.67	1,285.63	1,293.85	5.30
<b>Total CH4 emissions excluding CH4 from LULUCF</b>	1,281.82	1,283.04	1,291.39	5.33
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.11	0.11	0.10	8.60
Aviation	0.02	0.02	0.02	75.40
Marine	0.10	0.09	0.08	0.88
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO2 Emissions from Biomass</b>				

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

<sup>a</sup> 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(c)

NZL\_BR1\_v4.0

Emission trends (N<sub>2</sub>O)

(Sheet 1 of 3)

CRF: NZL\_CRF\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>1. Energy</b>	0.61	0.61	0.65	0.68	0.72	0.75	0.75	0.79	0.80
A. Fuel Combustion (Sectoral Approach)	0.61	0.61	0.65	0.68	0.72	0.75	0.75	0.79	0.80
1. Energy Industries	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.02
2. Manufacturing Industries and Construction	0.17	0.18	0.18	0.19	0.20	0.20	0.19	0.20	0.21
3. Transport	0.33	0.34	0.36	0.38	0.41	0.43	0.44	0.46	0.47
4. Other Sectors	0.09	0.08	0.09	0.09	0.09	0.10	0.09	0.10	0.10
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
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	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15
<b>4. Agriculture</b>	25.58	25.95	25.67	26.37	27.45	28.28	28.61	29.08	28.60
A. Enteric Fermentation									
B. Manure Management	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10
C. Rice Cultivation									
D. Agricultural Soils	25.46	25.82	25.54	26.24	27.33	28.15	28.48	28.95	28.48
E. Prescribed Burning of Savannas	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01
F. Field Burning of Agricultural Residues	0.02	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.02
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09
A. Forest Land	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
B. Cropland	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
C. Grassland	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.03
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	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
<b>6. Waste</b>	0.47	0.48	0.49	0.50	0.50	0.52	0.53	0.53	0.53
A. Solid Waste Disposal on Land									
B. Waste-water Handling	0.47	0.48	0.48	0.49	0.50	0.52	0.52	0.53	0.53
C. Waste Incineration	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N2O emissions including N2O from LULUCF</b>	26.88	27.26	27.02	27.76	28.90	29.77	30.12	30.63	30.17
<b>Total N2O emissions excluding N2O from LULUCF</b>	26.80	27.19	26.94	27.68	28.82	29.69	30.04	30.56	30.08
<b>Memo Items:</b>									
<b>International Bunkers</b>	0.08	0.07	0.07	0.07	0.08	0.09	0.08	0.08	0.08
Aviation	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Marine	0.04	0.04	0.03	0.03	0.05	0.04	0.04	0.04	0.04
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO2 Emissions from Biomass</b>									

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

Table 1(c)

NZL\_BR1\_v4.0

Emission trends (N<sub>2</sub>O)

(Sheet 2 of 3)

CRF: NZL\_CRF\_v1.2

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
<b>1. Energy</b>	0.85	0.88	0.91	0.96	1.04	1.09	1.11	1.09	1.03	1.01
A. Fuel Combustion (Sectoral Approach)	0.85	0.88	0.91	0.96	1.04	1.09	1.11	1.09	1.03	1.01
1. Energy Industries	0.03	0.03	0.04	0.03	0.06	0.08	0.09	0.09	0.05	0.08
2. Manufacturing Industries and Construction	0.22	0.24	0.25	0.27	0.28	0.29	0.29	0.28	0.28	0.26
3. Transport	0.49	0.51	0.52	0.55	0.58	0.61	0.61	0.59	0.58	0.55
4. Other Sectors	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.11
5. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1. Solid Fuels	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
2. Oil and Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. Industrial Processes</b>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
A. Mineral Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B. Chemical Industry	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C. Metal Production	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
D. Other Production										
E. Production of Halocarbons and SF <sub>6</sub>										
F. Consumption of Halocarbons and SF <sub>6</sub>										
G. Other	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>3. Solvent and Other Product Use</b>	0.15	0.15	0.15	0.18	0.17	0.16	0.14	0.13	0.14	0.10
<b>4. Agriculture</b>	29.09	30.22	31.37	32.49	33.50	33.67	34.04	33.67	32.32	31.60
A. Enteric Fermentation										
B. Manure Management	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11
C. Rice Cultivation										
D. Agricultural Soils	28.97	30.09	31.24	32.36	33.36	33.53	33.91	33.54	32.17	31.46
E. Prescribed Burning of Savannas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01
F. Field Burning of Agricultural Residues	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.02	0.02
G. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>5. Land Use, Land-Use Change and Forestry</b>	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
A. Forest Land	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
B. Cropland	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03
C. Grassland	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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	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
<b>6. Waste</b>	0.53	0.54	0.54	0.55	0.57	0.58	0.59	0.59	0.59	0.60
A. Solid Waste Disposal on Land										
B. Waste-water Handling	0.52	0.53	0.54	0.55	0.57	0.58	0.58	0.58	0.58	0.59
C. Waste Incineration	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
D. Other	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Total N<sub>2</sub>O emissions including N<sub>2</sub>O from LULUCF</b>	30.69	31.86	33.03	34.24	35.34	35.54	35.93	35.53	34.13	33.34
<b>Total N<sub>2</sub>O emissions excluding N<sub>2</sub>O from LULUCF</b>	30.62	31.79	32.97	34.18	35.28	35.49	35.87	35.48	34.07	33.30
<b>Memo Items:</b>										
<b>International Bunkers</b>	0.08	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10
Aviation	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Marine	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03
<b>Multilateral Operations</b>	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
<b>CO<sub>2</sub> Emissions from Biomass</b>										

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

Table 1(c)

NZL\_BR1\_v4.0

**Emission trends (N<sub>2</sub>O)****(Sheet 3 of 3)**

CRF: NZL\_CRF\_\_v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>1. Energy</b>	0.94	0.92	0.90	47.79
A. Fuel Combustion (Sectoral Approach)	0.94	0.92	0.90	47.79
1. Energy Industries	0.05	0.03	0.04	105.39
2. Manufacturing Industries and Construction	0.24	0.26	0.26	51.79
3. Transport	0.53	0.52	0.49	49.46
4. Other Sectors	0.11	0.10	0.11	21.71
5. Other	NA	NA	NA	0.00
B. Fugitive Emissions from Fuels	0.00	0.00	0.00	225.97
1. Solid Fuels	NA, NO	NA, NO	NA, NO	0.00
2. Oil and Natural Gas	0.00	0.00	0.00	225.97
<b>2. Industrial Processes</b>	NA, NO	NA, NO	NA, NO	0.00
A. Mineral Products	NA	NA	NA	0.00
B. Chemical Industry	NA, NO	NA, NO	NA, NO	0.00
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	NA	NA	0.00
<b>3. Solvent and Other Product Use</b>	0.09	0.10	0.09	-32.84
<b>4. Agriculture</b>	31.08	32.06	32.92	28.70
A. Enteric Fermentation				
B. Manure Management	0.11	0.11	0.12	38.71
C. Rice Cultivation				
D. Agricultural Soils	30.95	31.92	32.79	28.80
E. Prescribed Burning of Savannas	0.01	0.01	0.01	-72.54
F. Field Burning of Agricultural Residues	0.02	0.02	0.01	-19.51
G. Other	NO	NO	NO	0.00
<b>5. Land Use, Land-Use Change and Forestry</b>	0.05	0.05	0.05	-42.71
A. Forest Land	0.01	0.01	0.01	-19.23
B. Cropland	0.03	0.03	0.03	-52.91
C. Grassland	0.01	0.01	0.01	-7.75
D. Wetlands	NE	NE	NE	0.00
E. Settlements	NE	NE	NE	0.00
F. Other Land	NE	NE	NE	0.00
G. Other	IE, NA, NE	IE, NA, NE	IE, NA, NE	0.00
<b>6. Waste</b>	0.58	0.59	0.59	23.94
A. Solid Waste Disposal on Land				
B. Waste-water Handling	0.58	0.58	0.58	24.45
C. Waste Incineration	0.00	0.00	0.00	-21.77
D. Other	NO	NO	NO	0.00
<b>7. Other (as specified in the summary table in CRF)</b>	NA	NA	NA	0.00
<b>Total N2O emissions including N2O from LULUCF</b>	32.74	33.71	34.55	28.53
<b>Total N2O emissions excluding N2O from LULUCF</b>	32.69	33.66	34.50	28.74
<b>Memo Items:</b>				
<b>International Bunkers</b>	0.09	0.09	0.09	22.67
Aviation	0.06	0.06	0.06	75.40
Marine	0.03	0.03	0.03	-28.09
<b>Multilateral Operations</b>	NO	NO	NO	0.00
<b>CO2 Emissions from Biomass</b>				

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

<sup>a</sup> 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)

NZL\_BR1\_v4.0

**Emission trends (HFCs, PFCs and SF<sub>6</sub>)****(Sheet 1 of 3)**

CRF: NZL\_CRF\_\_ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	Base year <sup>a</sup>	1991	1992	1993	1994	1995	1996	1997	1998
	kt	kt	kt	kt	kt	kt	kt	kt	kt
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	NA, NO	NA, NO	1.30	2.60	57.57	122.81	198.01	61.96	257.52
HFC-23	NA, NO	NA, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
HFC-32	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.01	0.00	0.01
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	NA, NO	NA, NO	0.00	0.00	0.04	0.08	0.12	0.04	0.16
HFC-152a	NA, NO	NA, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	0.00	0.00	0.00
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.01	0.00	0.01
HFC-227ea	NA, NO	NA, NO	NA, NO	NA, NO	0.00	0.00	0.00	0.00	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	629.87	625.05	396.61	180.45	159.87	131.16	236.77	172.52	125.34
CF <sub>4</sub>	0.08	0.08	0.05	0.02	0.02	0.02	0.03	0.02	0.01
C <sub>2</sub> F <sub>6</sub>	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
C 3F8	NA, NO	NA, NO	NA, NO	NA, NO	NA, NE, NO	0.00	0.00	0.00	0.01
C <sub>4</sub> F <sub>10</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>5</sub> F <sub>12</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>6</sub> F <sub>14</sub>	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	15.20	15.77	16.49	16.93	17.29	17.88	17.65	18.17	16.90
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

Table 1(d)

NZL\_BR1\_v4.0

**Emission trends (HFCs, PFCs and SF<sub>6</sub>)****(Sheet 2 of 3)**

CRF: NZL\_CRF\_\_ v1.2

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
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	264.46	252.99	336.04	504.64	664.65	452.07	712.16	666.41	927.66	807.26
HFC-23	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	NA, NE, NO	NA, NE, NO	0.00	NA, NE, NO	NA, NE, NO
HFC-32	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.02
HFC-41	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-43-10mee	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-125	0.01	0.01	0.02	0.04	0.05	0.04	0.07	0.06	0.09	0.09
HFC-134	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-134a	0.14	0.15	0.15	0.20	0.22	0.15	0.21	0.22	0.25	0.20
HFC-152a	0.00	NA, NE, NO	0.00	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO	NA, NE, NO
HFC-143	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-143a	0.01	0.01	0.02	0.04	0.06	0.04	0.07	0.05	0.09	0.07
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFC-236fa	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
HFC-245ca	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	58.96	58.06	60.64	71.91	107.83	84.53	59.57	90.99	41.47	38.84
CF <sub>4</sub>	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
C <sub>2</sub> F <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C 3F8	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00	0.00	0.00	NA, NE, NO	0.00	0.00	0.00
C <sub>4</sub> F <sub>10</sub>	NA, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>5</sub> F <sub>12</sub>	NA, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
C <sub>6</sub> F <sub>14</sub>	NA, NO	NA, NE, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO	NA, NO
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	16.06	10.57	10.91	14.92	17.60	22.31	19.03	15.47	14.70	15.13
SF <sub>6</sub>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

Table 1(d)

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**Emission trends (HFCs, PFCs and SF<sub>6</sub>)****(Sheet 3 of 3)**

CRF: NZL\_CRF\_\_ v1.2

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	2009	2010	2011	Change from base to latest reported year
	kt	kt	kt	%
<b>Emissions of HFCsc - (kt CO<sub>2</sub> eq)</b>	872.41	1,077.69	1,885.07	100.00
HFC-23	NA, NE, NO	0.00	NA, NE, NO	0.00
HFC-32	0.02	0.03	0.04	100.00
HFC-41	NA, NO	NA, NO	NA, NO	0.00
HFC-43-10mee	NA, NO	NA, NO	NA, NO	0.00
HFC-125	0.09	0.12	0.15	100.00
HFC-134	NA, NO	NA, NO	NA, NO	0.00
HFC-134a	0.23	0.30	0.77	100.00
HFC-152a	NA, NE, NO	NA, NE, NO	NA, NE, NO	0.00
HFC-143	NA, NO	NA, NO	NA, NO	0.00
HFC-143a	0.08	0.09	0.11	100.00
HFC-227ea	0.00	0.00	0.00	100.00
HFC-236fa	NA, NO	NA, NO	NA, NO	0.00
HFC-245ca	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed HFCsd - (kt CO <sub>2</sub> eq)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of PFCsc - (kt CO<sub>2</sub> eq)</b>	46.14	40.81	30.18	-95.21
CF <sub>4</sub>	0.01	0.01	0.00	-95.16
C <sub>2</sub> F <sub>6</sub>	0.00	0.00	0.00	-95.48
C <sub>3</sub> F <sub>8</sub>	0.00	NA, NE, NO	NA, NE, NO	0.00
C <sub>4</sub> F <sub>10</sub>	NA, NO	NA, NO	NA, NO	0.00
c-C <sub>4</sub> F <sub>8</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>5</sub> F <sub>12</sub>	NA, NO	NA, NO	NA, NO	0.00
C <sub>6</sub> F <sub>14</sub>	NA, NO	NA, NO	NA, NO	0.00
Unspecified mix of listed PFCs(4) - (Gg CO <sub>2</sub> equivalent)	NA, NO	NA, NO	NA, NO	0.00
<b>Emissions of SF<sub>6</sub>(3) - (Gg CO<sub>2</sub> equivalent)</b>	19.79	20.46	17.62	15.89
SF <sub>6</sub>	0.00	0.00	0.00	15.89

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

<sup>a</sup> 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.

<sup>c</sup>Enter 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 CO<sub>2</sub> equivalent emissions.

<sup>d</sup>In 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 CO<sub>2</sub> equivalent and that appropriate notation keys should be entered in the cells for the individual chemicals.)

**Custom Footnotes****Documentation Box:**

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Table 2(a)

NZL\_BR1\_v4.0

**Description of quantified economy-wide emission reduction target: base year<sup>a</sup>**

<i>Party</i>	<i>New Zealand</i>	
Base year /base period	1990	
Emission reduction target	% of base year/base period	% of 1990 <sup>b</sup>
	5.00	5.00
Period for reaching target	2013-2020	

<sup>a</sup> 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.

<sup>b</sup> Optional.

**Description of quantified economy-wide emission reduction target: gases and sectors covered<sup>a</sup>**

<i>Gases covered</i>		<i>Base year for each gas (year):</i>
CO <sub>2</sub>		1990
CH <sub>4</sub>		1990
N <sub>2</sub> O		1990
HFCs		1990
PFCs		1990
SF <sub>6</sub>		1990
NF <sub>3</sub>		1990
Other Gases (specify)		
Sectors covered <sup>b</sup>	Energy	Yes
	Transport <sup>f</sup>	Yes
	Industrial processes <sup>g</sup>	Yes
	Agriculture	Yes
	LULUCF	Yes
	Waste	Yes
	Other Sectors (specify)	

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>f</sup> Transport is reported as a subsector of the energy sector.

<sup>g</sup> 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)<sup>a</sup>**

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

*Abbreviations* : GWP = global warming potential

<sup>a</sup> 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.

<sup>b</sup> 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<sup>a</sup>**

<b>Role of LULUCF</b>	LULUCF in base year level and target	Included
	Contribution of LULUCF is calculated using	Activity-based approach

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

<sup>a</sup> Reporting by a developed country Party on the information specified in the common tabular format does not prejudge 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: market-based mechanisms under the Convention<sup>a</sup>**

<i>Market-based mechanisms under the Convention</i>	<i>Possible scale of contributions (estimated kt CO<sub>2</sub> eq)</i>
CERs	
ERUs	
AAUs <sup>i</sup>	
Carry-over units <sup>j</sup>	
Other mechanism units under the Convention (specify) <sup>d</sup>	

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

<sup>a</sup> 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.

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

<sup>i</sup> AAUs issued to or purchased by a Party.

<sup>j</sup> 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<sup>a</sup>**

<i>Other market-based mechanisms (Specify)</i>	<i>Possible scale of contributions (estimated kt CO<sub>2</sub> eq)</i>

<sup>a</sup> 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**<sup>a,b</sup>

It is New Zealand's intention to apply the Kyoto Protocol's second commitment period rules to its unconditional 2020 target. In practice however, some technical changes may be required to reflect the status of New Zealand's target (ie, that the 2020 target is under the UNFCCC, not inscribed in the Kyoto Protocol). New Zealand reserves the right to review the accounting rules it applies in order to ensure alignment with the Kyoto Protocol and to support a smooth transition to a post-2020 regime.

<sup>a</sup> 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.

<sup>b</sup> 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.

***Custom Footnotes***

Table 2(b): The LULUCF sector is not included in base year emissions.

Table 2(d): Contribution of LULUCF is calculated using an activity-based approach, using Kyoto Protocol rules.

Table 2(e): New Zealand will measure progress against its 2020 target as if it had made a commitment under the Kyoto Protocol, including participation in international carbon markets, and recognising surplus achieved during the First Commitment Period of the Kyoto Protocol.

Tables 2(a) to 2(f) should be read in conjunction with Chapter II of New Zealand's First Biennial Report.

Table 3

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

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
									2009	2020
New Zealand Emissions Trading Scheme	Energy, Transport, Industry/industrial processes, Agriculture, Forestry/LULUCF, Waste management/waste	CH <sub>4</sub> , CO <sub>2</sub> , HFCs, N <sub>2</sub> O, PFCs, SF <sub>6</sub>	The scheme aims to reduce emissions by making emitters pay for any emissions covered under the Kyoto Protocol.	Other (Regulatory)	Implemented	The NZ ETS covers all sectors and all gases, though 2012 amendments removed the date for biological emissions from agriculture to assume surrender obligations	2008 (Entry has been phased by sector)	The Environmental Protection Authority administers the register and enforces the scheme. The Ministry for the Environment is responsible for development NZ ETS regulations. The Ministry for Primary Industries administers the forestry allocation plan and compliance with forestry regulations.		9,810.00
ENERGYWISE Homes	Energy	CO <sub>2</sub>	Aims to increase energy efficiency in homes by providing information, and grants.	Other (Information)	Implemented	ENERGYWISE Homes is the overall brand for a residential energy efficiency programme that encompasses a number of different initiatives.  In addition to various information tools and campaigns, the Warm Up New Zealand: Heat Smart programme provided grants for insulation and clean heat, and the new Warm Up New Zealand: Healthy Homes programme provides grants for insulation.	From 2009	Energy Efficiency and Conservation Authority		20.00
Efficient Products Programme	Energy	CO <sub>2</sub>	Aims to help New Zealand families and businesses to purchase and use products that use less energy and save money	Regulatory Information Other (Voluntary)	Implemented	A joint Equipment Energy Efficiency (E3) Programme has been jointly developed with Australia. Energy efficiency measures including energy rating labelling for a range of residential, commercial and industrial products, along with mandatory performance standards allows both countries to set consistent standards and measures for energy efficiency.	2006	Energy Efficiency and Conservation Authority		1,400.00



Table 3

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

Name of mitigation action <sup>a</sup>		Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
										2009	2020
Business Programmes		Energy	CO <sub>2</sub>	Promotes best practice energy management in energy intensive businesses.	Other (Information)	Implemented	The focus is on four priority areas: Commercial Buildings; Industrial heat; Business Transport; and Lighting. The scheme provides information on new technologies and energy management, grants for energy audits and demonstrations of new technology, and one-on-one support.	The current suite of business programmes commenced implementation in 2012	Energy Efficiency and Conservation Authority	89.00	NE
Energy efficiency in Government - Sustainable Government Procurement		Energy	CO <sub>2</sub>	The programme aims to make sustainable procurement an integral part of everyday procurement practice.	Other (Information)	Implemented	The reforms are based around three core elements: policy transformation, capability building, and greater use of collaborative contracts.	2009	Ministry of Business, Innovation and Employment	NE	NE
Vehicle fuel economy labelling		Transport	CO <sub>2</sub>	A compulsory scheme requiring vehicle traders and online vendors to display information.	Regulatory	Implemented	Allows consumers to make more informed vehicle purchase choices and to place an appropriate value on fuel economy.	2008	New Zealand Transport Agency and the Energy Efficiency and Conservation Authority	NE	NE
Biofuels		Transport	CO <sub>2</sub>	Supports research and innovation in relation to biofuels, with a focus on advanced biofuels.	Fiscal	Implemented	There is particular interest in fuels made from forestry waste given New Zealand's well established forestry industry.	2008	Ministry of Business, Employment and Innovation	NE	NE
Electric vehicles		Transport	CO <sub>2</sub>	Promotes uptake of electric vehicles in New Zealand, by exempting them from road-user charges.	Fiscal	Implemented	Promotes uptake of electric vehicles in New Zealand, by exempting them from road-user charges.	2009	New Zealand Transport Agency	NE	NE
Other transport measures		Transport	CO <sub>2</sub>		Other (Education)	Implemented	These include research and driver training to promote more efficient driving practices in the commercial fleet, research into Intelligent Transport Systems, improvements to roading and rail infrastructure, and promoting the use of public transport in New Zealand.	NA	Ministry of Transport and the New Zealand Transport Agency	NE	NE

Table 3

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

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
									2009	2020
Global Research Alliance on Agricultural Greenhouse Gas Emissions	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O, CO <sub>2</sub>	A network to increase international collaboration and investment in research into increasing agricultural and food production without growing greenhouse gas emissions.	Research Information Education Other (Training)	Implemented		2009	Secretariat support and Co-chair of the Livestock Research Group provided by New Zealand	NE	NE
Primary Growth Partnership	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O, CO <sub>2</sub>	To boost the economic growth and sustainability of New Zealand's primary, forestry and food sectors.	Research Information Other (Training)	Implemented	Provides funding for programmes of research and innovation.	2009	Ministry for Primary Industries	NE	NE
New Zealand Agricultural Greenhouse Gas Research Centre	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O, CO <sub>2</sub>	Focuses on ways to increase productivity and reduce on-farm methane and nitrous oxide emissions.	Research Information Education Other (Capability building)	Implemented	The Centre brings together nine research organisations.	2010	Ministry for Primary Industries	NA	NE
Pastoral Greenhouse Gas Research Consortium	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O	To provide livestock farmers with the information and means to mitigate their greenhouse gas emissions.	Research Information Education	Implemented	A partnership between the Government and the dairy and fertiliser industries.	2002	Ministry for Primary Industries and the Ministry of Business, Innovation and Employment	NE	NE
Sustainable Land Management and Climate Change Plan of Action	Agriculture	CH <sub>4</sub> , N <sub>2</sub> O, Other (Soil carbon), Other (Forest carbon)	Initiatives and programmes in the agricultural and forestry sectors that focus on adaptation to climate change, reducing emissions and enhancing sinks, and new business opportunities.	Research Information Education Other (Capability Building)	Implemented		2007	Ministry for Primary Industries	NE	NE

Table 3

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

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
									2009	2020
Permanent Forest Sinks Initiative	Forestry/LULUCF	CO <sub>2</sub>	Promotes the establishment of permanent forests on previously unforested land.	Other (Voluntary Agreement)	Implemented	The Initiative offers an assigned amount units for carbon sequestered in permanent forests established after 1 January 1990.	2008	Ministry for Primary Industries	NE	NE
East Coast Forestry Project	Forestry/LULUCF	CO <sub>2</sub>	The main purpose of this project is to reduce erosion by encouraging tree planting on erosion-prone land. The project also enhances the sequestration of carbon in forest sinks.	Other (Voluntary Agreement)	Implemented	Since 1992, the Ministry for Primary Industries has provided funding to landholders to prevent and control erosion.  The grant can be used to control erosion on the worst eroding or erosion-prone land in the district by providing effective tree cover through planting or encouraging natural reversion to native bush.	1992	Ministry for Primary Industries	NE	NE
Afforestation Grant Scheme	Forestry/LULUCF	CO <sub>2</sub>	The Scheme offers a contestable fund that aims to increase the area of Kyoto forest in New Zealand by offering a simpler alternative to the NZ ETS for landowners establishing new forests.	Other (Voluntary Agreement)	Implemented	Landowners who have received a grant have ongoing obligations to maintain their grant forests.	2008	Ministry for Primary Industries	NE	NE
Waste Minimisation Act 2008	Waste management/waste	CH <sub>4</sub> , N <sub>2</sub> O	The purpose is to encourage waste minimisation and decrease waste disposal in order to protect the environment from harm and provide environmental, social, economic and cultural benefits.	Regulatory	Implemented		2008	Ministry for the Environment	NE	NE

Table 3

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

Name of mitigation action <sup>a</sup>	Sector(s) affected <sup>b</sup>	GHG(s) affected	Objective and/or activity affected	Type of instrument <sup>c</sup>	Status of implementation <sup>d</sup>	Brief description <sup>e</sup>	Start year of implementation	Implementing entity or entities	Estimate of mitigation impact (not cumulative, in kt CO <sub>2</sub> eq)	
									2009	2020
National Environmental Standard for Landfill Methane (under the National Environmental Standard for Air Quality)	Waste management/waste	CH <sub>4</sub>	The objective of the landfill gas standards is the effective management of discharges to air of greenhouse gases (mainly methane) generated from large landfills.	Regulatory	Implemented	Requires landfill sites with a lifetime design capacity of greater than 1 million tonnes of refuse to collect and destroy methane emissions.	Standard came into effect in 2004 with full compliance required by 2007	Ministry for the Environment and regional and local councils	216.00	502.00
Waste Minimisation Fund	Waste management/waste	CH <sub>4</sub> , CO <sub>2</sub>	The Waste Minimisation Fund helps fund waste minimisation projects. The purpose of the fund is to increase resource efficiency, increase reuse, recovery and recycling, and decrease waste to landfill.	Fiscal	Implemented	The funding comes from a landfill disposal levy imposed under the Waste Minimisation Act 2008.	2008	Ministry for the Environment	NE	NE

*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.

<sup>a</sup> Parties should use an asterisk (\*) to indicate that a mitigation action is included in the 'with measures' projection.

<sup>b</sup> 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.

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

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

<sup>e</sup> Additional information may be provided on the cost of the mitigation actions and the relevant timescale.

<sup>f</sup> Optional year or years deemed relevant by the Party.

**Custom Footnotes**

NE = Not Estimated; NA = Not Applicable

Table 3

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

<i>Name of mitigation action<sup>a</sup></i>	<i>Sector(s) affected<sup>b</sup></i>	<i>GHG(s) affected</i>	<i>Objective and/or activity affected</i>	<i>Type of instrument<sup>c</sup></i>	<i>Status of implementation<sup>d</sup></i>	<i>Brief description<sup>e</sup></i>	<i>Start year of implementation</i>	<i>Implementing entity or entities</i>	<i>Estimate of mitigation impact (not cumulative, in kt CO<sub>2</sub> eq)</i>	
									<i>2009</i>	<i>2020</i>

Estimate of mitigation impact of the NZ ETS: Chapter 5 of New Zealand's Sixth National Communication shows that an estimated 9,810.0 Gg CO<sub>2</sub>-e emissions will be avoided by key quantifiable policies and measures by 2020. The NZ ETS is assumed to be responsible for the majority of this total, but its exact effect has not been quantified. This is because the impacts of the NZ ETS are difficult to entirely distinguish from impacts of other policies. Also, the NZ ETS is a long-term intervention, and its impacts need to be evaluated on that basis. The Ministry for the Environment is establishing a work programme to ensure that the NZ ETS and its impacts are monitored and evaluated over time.

Table 4

NZL\_BR1\_v4.0

**Reporting on progress<sup>a, b</sup>**

Year <sup>c</sup>	Total emissions excluding LULUCF	Contribution from LULUCF <sup>d</sup>	Quantity of units from market based mechanisms under the Convention		Quantity of units from other market based mechanisms	
	(kt CO <sub>2</sub> eq)	(kt CO <sub>2</sub> eq)	(number of units)	(kt CO <sub>2</sub> eq)	(number of units)	(kt CO <sub>2</sub> eq)
(1990)	59,643.06	NA	NA	NA	NA	NA
2010	71,847.77	-17,426.50	NA	NA	NA	NA
2011	72,834.93	-16,876.91	0.00	0.00		
2012	NA	NA	0.00	0.00		

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

<sup>a</sup> 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.

<sup>b</sup> 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.

<sup>c</sup> Parties may add additional rows for years other than those specified below.

<sup>d</sup> 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**

**Note: Current projections show that New Zealand's emissions including removals from Kyoto forestry will be below New Zealand's First Commitment Period target, so the Government will not have to purchase emission units to meet this target.**

NA = Not Applicable

**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** <sup>a,b</sup>

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

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

<sup>a</sup> 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 target.

<sup>b</sup> 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.

<sup>c</sup> 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.

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

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

<sup>f</sup> 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).

<sup>g</sup> 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**

**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** <sup>a, b</sup>

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

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

<sup>a</sup> 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 target.

<sup>b</sup> 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.

<sup>c</sup> 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.

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

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

<sup>f</sup> 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).

<sup>g</sup> 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)II

NZL\_BR1\_v4.0  
Source: NZL\_CRF\_\_ v1.2

Progress in achievement of the quantified economy-wide emission reduction targets – further information on mitigation actions relevant to the counting of emissions and removals from the land use, land-use change and forestry sector in relation to activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol<sup>a,b,c</sup>

GREENHOUSE GAS SOURCE AND SINK ACTIVITIES	Base year <sup>d</sup>	Net emissions/removals <sup>e</sup>					Accounting parameters <sup>h</sup>	Accounting quantity <sup>i</sup>
		2008	2009	2010	2011	Total <sup>f</sup>		
(kt CO <sub>2</sub> eq)								
<b>A. Article 3.3 activities</b>								
A.1. Afforestation and Reforestation								-73'500.47
A.1.1. Units of land not harvested since the beginning of the commitment periodj		-18,199.48	-18,293.56	-18,455.91	-18,551.52	-73,500.47		-73'500.47
A.1.2. Units of land harvested since the beginning of the commitment periodj								0.00
A.2. Deforestation		1,586.19	1,368.06	1,029.40	1,674.62	5,658.27		5658.2689
<b>B. Article 3.4 activities</b>								
B.1. Forest Management (if elected)		NA	NA	NA	NA	NA	NA	NA
3.3 offset <sup>k</sup>							0	NA
FM cap <sup>l</sup>							3666.66667	NA
B.2. Cropland Management (if elected)	0	NA	NA	NA	NA	NA	NA	0
B.3. Grazing Land Management (if elected)	0	NA	NA	NA	NA	NA	NA	0
B.4. Revegetation (if elected)	0	NA	NA	NA	NA	NA	NA	0

Note: 1 kt CO<sub>2</sub> eq equals 1 Gg CO<sub>2</sub> eq.

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

<sup>a</sup> 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.

<sup>b</sup> Developed country Parties with a quantified economy-wide emission reduction target as communicated to the secretariat and contained in document FCCC/SB/2011/INF.1/Rev.1 or any update to that document, that are Parties to the Kyoto Protocol, may use table 4(a)II for reporting of accounting quantities if LULUCF is contributing to the attainment of that target.

<sup>c</sup> Parties can include references to the relevant parts of the national inventory report, where accounting methodologies regarding LULUCF are further described in the documentation box or in the biennial

<sup>d</sup> Net emissions and removals in the Party's base year, as established by decision 9/CP.2.

<sup>e</sup> All values are reported in the information table on accounting for activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, of the CRF for the relevant inventory year as reported in the current submission and are automatically entered in this table.

<sup>f</sup> Additional columns for relevant years should be added, if applicable.

<sup>g</sup> Cumulative net emissions and removals for all years of the commitment period reported in the current submission.

<sup>h</sup> The values in the cells "3.3 offset" and "Forest management cap" are absolute values.

<sup>i</sup> The accounting quantity is the total quantity of units to be added to or subtracted from a Party's assigned amount for a particular activity in accordance with the provisions of Article 7, paragraph 4, of the Kyoto Protocol.

<sup>j</sup> In accordance with paragraph 4 of the annex to decision 16/CMP.1, debits resulting from harvesting during the first commitment period following afforestation and reforestation since 1990 shall not be greater than the credits accounted for on that unit of land.

<sup>k</sup> In accordance with paragraph 10 of the annex to decision 16/CMP.1, for the first commitment period a Party included in Annex I that incurs a net source of emissions under the provisions of Article 3 paragraph 3, may account for anthropogenic greenhouse gas emissions by sources and removals by sinks in areas under forest management under Article 3, paragraph 4, up to a level that is equal to the net source of emissions under the provisions of Article 3, paragraph 3, but not greater than 9.0 megatonnes of carbon times five, if the total anthropogenic greenhouse gas emissions by sources and removals by sinks in the managed forest since 1990 is equal to, or larger than, the net source of emissions incurred under Article 3, paragraph 3.

<sup>l</sup> In accordance with paragraph 11 of the annex to decision 16/CMP.1, for the first commitment period of the Kyoto Protocol only, additions to and subtractions from the assigned amount of a Party resulting from Forest management under Article 3, paragraph 4, after the application of paragraph 10 of the annex to decision 16/CMP.1 and resulting from forest management project activities undertaken under Article 6, shall not exceed the value inscribed in the appendix of the annex to decision 16/CMP.1, times five.

#### Custom Footnotes

#### Documentation Box:

Table 4(b)

NZL\_BR1\_v4.0

**Reporting on progress<sup>a, b, c</sup>**

<i>Units of market based mechanisms</i>			<i>Year</i>		
			<i>2011</i>	<i>2012</i>	
<i>Kyoto Protocol units<sup>d</sup></i>	<i>Kyoto Protocol units</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>AAUs</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>ERUs</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>CERs</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>tCERs</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>ICERs</i>	<i>(number of units)</i>	0.00	0.00	
		<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00	
	<i>Other units<sup>d,e</sup></i>	<i>Units from market-based mechanisms under the Convention</i>	<i>(number of units)</i>		
			<i>(kt CO<sub>2</sub> eq)</i>		
<i>Units from other market-based mechanisms</i>		<i>(number of units)</i>			
		<i>(kt CO<sub>2</sub> eq)</i>			
<i>Total</i>	<i>(number of units)</i>	0.00	0.00		
	<i>(kt CO<sub>2</sub> eq)</i>	0.00	0.00		

*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.

<sup>a</sup> 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

<sup>b</sup> 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.

<sup>c</sup> Parties may include this information, as appropriate and if relevant to their target.

<sup>d</sup> Units surrendered by that Party for that year that have not been previously surrendered by that or any other Party.

<sup>e</sup> Additional rows for each market-based mechanism should be added, if applicable.

**Custom Footnotes**

**Note: New Zealand understands ‘surrender’ as distinct from ‘holding’. To date, New Zealand has not surrendered any international units to fulfil its emissions target for the First Commitment Period of the Kyoto Protocol.**

Table 5

NZL\_BR1\_v4.0

**Summary of key variables and assumptions used in the projections analysis<sup>a</sup>**

<i>Key underlying assumptions</i>		<i>Historical<sup>b</sup></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>GDP (real 1995/96)</i>	<i>NZ\$ billion</i>	82.00	94.00	110.00	132.00	140.00	142.00	158.00	178.00	201.00	222.00
Effective carbon price for energy projections	NZ\$/tonne CO <sub>2</sub> -e							5.00	5.00	5.00	5.00
Oil price	2011 US\$/barrel	39.00	27.00	41.00	68.00	83.00	95.00	106.00	118.00	127.00	135.00
Coal price	2011 NZ\$/GJ							5.30	6.24	6.24	6.24
Exchange rate	NZ\$/US\$	0.62	0.55	0.46	0.70	0.72	0.79	0.71	0.60	0.60	0.60
Gas supplies from new discoveries	PJ/year							0.00	59.00	133.00	181.00
Population	thousands	3,460.00	3,670.00	3,806.00	4,130.00	4,370.00	4,410.00	4,540.00	4,760.00	4,960.00	5,160.00
Afforestation	Hectares/year	13,800.00	64,500.00	29,100.00	5,100.00	6,000.00	12,000.00	4,100.00	12,100.00	12,100.00	12,100.00
Deforestation	Hectares/year	-1,700.00	-1,700.00	-3,100.00	-13,600.00	-4,400.00	-5,200.00	-5,500.00	-5,500.00	-5,500.00	-5,500.00
Harvest age	years							30.00	30.00	30.00	30.00
<i>Carbon price for forestry projections</i>	<i>NZ\$/tonne CO<sub>2</sub>-e</i>							12.00	12.00	12.00	12.00

<sup>a</sup> Parties should include key underlying assumptions as appropriate.

<sup>b</sup> Parties should include historical data used to develop the greenhouse gas projections reported.

**Custom Footnotes**

Afforestation: Numbers rounded to the nearest 100.

Harvest age: Midpoint projections assume target rotation age of 30 years.

Effective carbon price for energy projections: Under current existing policy settings, stationary energy participants under the NZ ETS are only required to surrender one NZU for every two tonnes of emissions.

This policy has been accounted for in the energy emissions modelling for the projections. This means an effective price of \$5 per tonne of CO<sub>2</sub>-e equates to an NZU price of \$10 per tonne of CO<sub>2</sub>-e.

Deforestation: Deforestation figures for 2010 and 2011 differ to the 2011 National Greenhouse Gas Inventory as projections are backdated to 2008.

This is due to final levels of deforestation, harvesting and afforestation from 2008 to 2012 only being confirmed once New Zealand's mapping is completed in 2013, and then included in New Zealand's 2014 inventory submission. Includes post-1989, pre-1990 planted forest and natural forest deforestation. Numbers rounded to the nearest 100.

Table 6(a)

NZL\_BR1\_v4.0

Information on updated greenhouse gas projections under a 'with measures' scenario<sup>a</sup>

	GHG emissions and removals <sup>b</sup>							GHG emission projections	
	(kt CO <sub>2</sub> eq)								
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
<b>Sector<sup>d,e</sup></b>									
Energy	14,861.95	14,861.95	14,735.83	17,512.18	20,535.49	17,487.60	16,988.68	17,854.28	18,310.88
Transport	8,625.74	8,625.74	10,791.49	12,145.60	13,617.58	13,829.86	14,014.63	14,872.47	15,899.52
Industry/industrial processes	3,434.38	3,434.38	3,350.18	3,570.88	4,335.46	4,795.22	5,458.89	5,346.23	6,120.87
Agriculture	30,661.93	30,661.93	32,279.28	34,058.41	35,986.34	33,722.30	34,387.32	37,045.54	39,598.47
Forestry/LULUCF	-26,994.99	-26,994.99	-24,149.62	-25,075.48	-23,738.33	-20,370.40	-15,042.11	-2,200.62	2,587.76
Waste management/waste	2,059.06	2,059.06	2,058.15	2,113.65	2,169.55	2,012.80	1,985.40	2,099.76	2,314.51
Other (specify)									
<b>Gas</b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	-1,947.93	-1,947.93	3,234.99	6,274.82	12,648.09	13,032.75	18,120.11	32,532.34	38,733.32
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	25,047.06	25,047.06	27,384.61	31,350.29	36,386.41	33,403.15	33,162.22	34,732.96	36,145.55
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	25,707.88	25,707.88	26,439.71	27,942.10	28,413.38	26,930.19	27,101.64	28,861.33	30,549.23
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	25,650.33	25,650.33	26,366.26	27,886.67	28,357.86	26,875.70	27,050.15	28,807.06	30,494.95
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	8,325.64	8,325.64	9,216.11	9,861.97	11,126.12	10,444.45	10,704.03	11,778.13	12,921.50
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	8,300.60	8,300.60	9,192.22	9,842.14	11,109.37	10,429.95	10,689.68	11,772.40	12,915.77
HFCs	NA, NO	NA, NO	122.81	252.99	712.16	1,077.69	1,885.07	1,867.27	2,656.61
PFCs	629.87	629.87	131.16	58.06	59.57	40.81	30.18	20.24	12.21
SF <sub>6</sub>	15.20	15.20	17.88	10.57	19.03	20.46	17.62	18.35	19.16
Other (specify)									
CO <sub>2</sub>									
<b>Total with LULUCF<sup>f</sup></b>	32,730.66	32,730.66	39,162.66	44,400.51	52,978.35	51,546.35	57,858.65	75,077.66	84,892.03
<b>Total without LULUCF</b>	59,643.06	59,643.06	63,214.94	69,400.72	76,644.40	71,847.76	72,834.92	77,218.28	82,244.25

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

<sup>a</sup> 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.

**Information on updated greenhouse gas projections under a ‘with measures’ scenario<sup>a</sup>**

	<i>GHG emissions and removals<sup>b</sup></i>							GHG emission projections	
	<i>(kt CO<sub>2</sub> eq)</i>							<i>(kt CO<sub>2</sub> eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

<sup>b</sup> 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.

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

<sup>d</sup> 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.

<sup>e</sup> 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.

<sup>f</sup> Parties may choose to report total emissions with or without LULUCF, as appropriate.

**Custom Footnotes**

Table 6(b)

NZL\_BR1\_v4.0

Information on updated greenhouse gas projections under a 'without measures' scenario<sup>a</sup>

	GHG emissions and removals <sup>b</sup>							GHG emission projections	
	(kt CO <sub>2</sub> eq)							(kt CO <sub>2</sub> eq)	
	Base year (1990)	1990	1995	2000	2005	2010	2011	2020	2030
<b>Sector<sup>d,e</sup></b>									
Energy	14,861.95	14,861.95	14,735.83	17,512.18	20,535.49	17,487.60	16,988.68	17,905.19	18,359.78
Transport	8,625.74	8,625.74	10,791.49	12,145.60	13,617.58	13,829.86	14,014.63	14,878.64	15,904.10
Industry/industrial processes	3,434.38	3,434.38	3,350.18	3,570.88	4,335.46	4,795.22	5,458.89	5,346.23	6,120.87
Agriculture	30,661.93	30,661.93	32,279.28	34,058.41	35,986.34	33,722.30	34,387.32	37,045.54	39,598.47
Forestry/LULUCF	-26,994.99	-26,994.99	-24,149.62	-25,075.48	-23,738.33	-20,370.40	-15,042.11	7,172.29	5,907.97
Waste management/waste	2,059.06	2,059.06	2,058.15	2,113.65	2,169.55	2,012.80	1,985.40	2,479.78	2,565.09
Other (specify)									
<b>Gas</b>									
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF	-1,947.93	-1,947.93	3,234.99	6,274.82	12,648.09	13,032.75	18,120.11	41,953.08	42,106.51
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF	25,047.06	25,047.06	27,384.61	31,350.29	36,386.41	33,403.15	33,162.22	34,780.79	36,198.54
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF	25,707.88	25,707.88	26,439.71	27,942.10	28,413.38	26,930.19	27,101.64	29,363.45	31,103.15
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF	25,650.33	25,650.33	26,366.26	27,886.67	28,357.86	26,875.70	27,050.15	29,309.18	31,048.87
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF	8,325.64	8,325.64	9,216.11	9,861.97	11,126.12	10,444.45	10,704.03	11,787.54	12,922.05
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF	8,300.60	8,300.60	9,192.22	9,842.14	11,109.37	10,429.95	10,689.68	11,781.81	12,916.32
HFCs	NA, NO	NA, NO	122.81	252.99	712.16	1,077.69	1,885.07	1,867.27	2,656.61
PFCs	629.87	629.87	131.16	58.06	59.57	40.81	30.18	20.24	12.21
SF <sub>6</sub>	15.20	15.20	17.88	10.57	19.03	20.46	17.62	18.35	19.16
Other (specify)									
CO <sub>2</sub>									
<b>Total with LULUCF<sup>f</sup></b>	32,730.66	32,730.66	39,162.66	44,400.51	52,978.35	51,546.35	57,858.65	85,009.93	88,819.69
<b>Total without LULUCF</b>	59,643.06	59,643.06	63,214.94	69,400.72	76,644.40	71,847.76	72,834.92	77,777.64	82,851.71

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

<sup>a</sup> 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.

**Information on updated greenhouse gas projections under a ‘without measures’ scenario<sup>a</sup>**

	<i>GHG emissions and removals<sup>b</sup></i>							GHG emission projections	
	<i>(kt CO<sub>2</sub> eq)</i>							<i>(kt CO<sub>2</sub> eq)</i>	
	<i>Base year (1990)</i>	1990	1995	2000	2005	2010	2011	2020	2030

<sup>b</sup> 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.

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

<sup>d</sup> 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.

<sup>e</sup> 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.

<sup>f</sup> Parties may choose to report total emissions with or without LULUCF, as appropriate.

Table 7

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**Provision of public financial support: summary information in 2011<sup>a</sup>**

Allocation channels	Year									
	New Zealand dollar - NZD					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>
<b>Total contributions through multilateral channels:</b>	42.78					33.78				
Multilateral climate change funds <sup>g</sup>	3.28					2.59				
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks	31.22					24.65				
Specialized United Nations bodies	8.28					6.54				
<b>Total contributions through bilateral, regional and other channels</b>		12.59	10.16		10.92		9.95	8.05		8.62
<b>Total</b>	42.78	12.59	10.16		10.92	33.78	9.95	8.05		8.62

Abbreviation: USD = United States dollars.

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

<sup>b</sup> 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.

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>d</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>e</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

<sup>h</sup> 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:**

Please refer to chapter V of New Zealand's First Biennial Report (page 75) for more information on new and additional financial resources.



Table 7

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**Provision of public financial support: summary information in 2012<sup>a</sup>**

Allocation channels	Year									
	New Zealand dollar - NZD					USD <sup>b</sup>				
	Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>				Core/ general <sup>c</sup>	Climate-specific <sup>d</sup>			
		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>		Mitigation	Adaptation	Cross-cutting <sup>e</sup>	Other <sup>f</sup>
<b>Total contributions through multilateral channels:</b>	30.04					24.33				
Multilateral climate change funds <sup>g</sup>	2.68					2.17				
Other multilateral climate change funds <sup>h</sup>										
Multilateral financial institutions, including regional development banks	19.04					15.42				
Specialized United Nations bodies	8.32					6.74				
<b>Total contributions through bilateral, regional and other channels</b>		25.75	7.23		12.89		20.86	5.86		10.44
<b>Total</b>	30.04	25.75	7.23		12.89	24.33	20.86	5.86		10.44

Abbreviation: USD = United States dollars.

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

<sup>b</sup> 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.

<sup>c</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>d</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>e</sup> This refers to funding for activities which are cross-cutting across mitigation and adaptation.

<sup>f</sup> Please specify.

<sup>g</sup> Multilateral climate change funds listed in paragraph 17(a) of the "UNFCCC biennial reporting guidelines for developed country Parties" in decision 2/CP.17.

<sup>h</sup> 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:**

Please refer to chapter V of New Zealand's First Biennial Report (page 75) for more information on new and additional financial resources.

Table 7(a)

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**Provision of public financial support: contribution through multilateral channels in 2011 <sup>a</sup>**

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f, g</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	New Zealand dollar - NZD	USD	New Zealand dollar - NZD	USD					
Total contributions through multilateral channels	42.78	33.78							
Multilateral climate change funds <sup>g</sup>	3.28	2.59							
1. Global Environment Facility	3.27	2.58			Provided	ODA	Other (Capital subscription)	Other (Core contribution) Other (Not applicable)	
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities	0.01	0.01			Provided	ODA	Grant	Other (Core contribution) Other (Not applicable)	
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks	31.22	24.65							
1. World Bank	19.71	15.56			Provided	ODA	Other (Capital subscription)	Other (Core contribution) Other (Not applicable)	
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank	11.51	9.09			Provided	ODA	Other (Capital subscription)	Other (Core contribution) Other (Not applicable)	
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies	8.28	6.54							
1. United Nations Development Programme	8.00	6.32							
	8.00	6.32			Provided	ODA	Grant	Other (Core contribution) Other (Not applicable)	
2. United Nations Environment Programme	0.28	0.22							
	0.28	0.22			Provided	ODA	Grant	Other (Core contribution) Other (Not applicable)	
3. Other									

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

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

<sup>b</sup> 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.

<sup>c</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>e</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>f</sup> Please specify.

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

**Custom Footnotes**

Table 7(a)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through multilateral channels in 2012 <sup>a</sup>**

Donor funding	Total amount				Status <sup>b</sup>	Funding source <sup>f</sup>	Financial instrument <sup>f</sup>	Type of support <sup>f,g</sup>	Sector <sup>c</sup>
	Core/general <sup>d</sup>		Climate-specific <sup>e</sup>						
	New Zealand dollar - NZD	USD	New Zealand dollar - NZD	USD					
Total contributions through multilateral channels	30.04	24.33							
Multilateral climate change funds <sup>g</sup>	2.68	2.17							
1. Global Environment Facility	2.45	1.98			Provided	ODA	Other (Capital subscription)	Other (Core contribution)	Other (Not applicable)
2. Least Developed Countries Fund									
3. Special Climate Change Fund									
4. Adaptation Fund									
5. Green Climate Fund									
6. UNFCCC Trust Fund for Supplementary Activities	0.23	0.19			Provided	ODA	Grant	Other (Core contribution)	Other (Not applicable)
7. Other multilateral climate change funds									
Multilateral financial institutions, including regional development banks	19.04	15.42							
1. World Bank	12.51	10.13			Provided	ODA	Other (Capital subscription)	Other (Core contribution)	Other (Not applicable)
2. International Finance Corporation									
3. African Development Bank									
4. Asian Development Bank	6.53	5.29			Provided	ODA	Other (Capital subscription)	Other (Core contribution)	Other (Not applicable)
5. European Bank for Reconstruction and Development									
6. Inter-American Development Bank									
7. Other									
Specialized United Nations bodies	8.32	6.74							
1. United Nations Development Programme	8.00	6.48							
	8.00	6.48			Provided	ODA	Grant	Other (Core contribution)	Other (Not applicable)
2. United Nations Environment Programme	0.32	0.26							
	0.32	0.26			Provided	ODA	Grant	Other (Core contribution)	Other (Not applicable)
3. Other									

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

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

<sup>b</sup> 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.

<sup>c</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>d</sup> This refers to support to multilateral institutions that Parties cannot specify as climate-specific.

<sup>e</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>f</sup> Please specify.

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

**Custom Footnotes**

Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	33.67	26.62						
Afghanistan /	0.33	0.26	Provided	ODA	Grant	Mitigation	Energy	
Bangladesh /	0.09	0.07	Provided	ODA	Grant	Mitigation	Energy	
Cook Islands /	0.26	0.21	Provided	ODA	Grant	Adaptation	Water and sanitation	
Cook Islands /	1.47	1.16	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Cook Islands /	0.20	0.16	Provided	ODA	Grant	Mitigation	Energy	
Ecuador /	0.17	0.13	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Fiji /	0.53	0.42	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Global/International /	0.53	0.42	Provided	ODA	Grant	Mitigation	Agriculture	
Global/International /	0.35	0.28	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Indonesia /	3.13	2.47	Provided	ODA	Grant	Mitigation	Energy	

Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Indonesia /	1.75	1.38	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Kiribati /	0.05	0.04	Provided	ODA	Grant	Adaptation	Cross-cutting	
Kiribati /	0.07	0.06	Provided	ODA	Grant	Adaptation	Water and sanitation	
Kiribati /	0.10	0.08	Provided	ODA	Grant	Mitigation	Water and sanitation	
Kiribati /	0.09	0.07	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Nepal /	0.06	0.05	Provided	ODA	Grant	Mitigation	Water and sanitation	
Pacific Regional /	0.21	0.17	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Pacific Regional /	0.11	0.09	Provided	ODA	Grant	Adaptation	Cross-cutting	
Pacific Regional /	0.26	0.21	Provided	ODA	Grant	Mitigation	Energy	
Philippines /	0.69	0.54	Provided	ODA	Grant	Adaptation	Cross-cutting	

Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Philippines /	0.78	0.62	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Samoa /	0.29	0.23	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Samoa /	0.12	0.09	Provided	ODA	Grant	Adaptation	Cross-cutting	
Samoa /	0.02	0.02	Provided	ODA	Grant	Mitigation	Energy	
Solomon Islands /	0.09	0.07	Provided	ODA	Grant	Adaptation	Cross-cutting	
Solomon Islands /	0.58	0.46	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Tokelau /	1.25	0.99	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Tokelau /	3.40	2.68	Provided	ODA	Grant	Mitigation	Energy	
Tonga /	4.18	3.30	Provided	ODA	Grant	Mitigation	Energy	
Tonga /	0.30	0.24	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	

Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

Recipient country/ region/project/programme <sup>b</sup>	Total amount		Status <sup>c</sup>	Funding source <sup>g</sup>	Financial instrument <sup>g</sup>	Type of support <sup>g, h</sup>	Sector <sup>d</sup>	Additional information <sup>e</sup>
	Climate-specific <sup>f</sup>							
	New Zealand	USD						
Tuvalu /	0.21	0.17	Provided	ODA	Grant	Mitigation	Energy	
Vanuatu /	0.21	0.17	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Vanuatu /	0.08	0.06	Provided	ODA	Grant	Mitigation	Forestry	
Viet Nam /	0.30	0.24	Provided	ODA	Grant	Adaptation	Cross-cutting	
Other Channels /	10.92	8.62	Provided	ODA	Grant	Other (Core/General)	Other (Core/General)	
Solomon Islands /	0.49	0.39	Provided	ODA	Grant	Adaptation	Other (Coastal Zone Management)	

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

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

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

<sup>c</sup> 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.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>g</sup> Please specify.

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

**Provision of public financial support: contribution through bilateral, regional and other channels in 2011<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						

**Custom Footnotes**

Other Channels: Core/General contributions are provided to regional organisations. These contributions represent the full amounts provided to the organisations for the full range of activities covered by their programmes, which include climate change mitigation and adaptation.



Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Total contributions through bilateral, regional and other channels	45.87	37.16						
Afghanistan /	10.87	8.80	Provided	ODA	Grant	Mitigation	Energy	
Bangladesh /	0.09	0.07	Provided	ODA	Grant	Mitigation	Energy	
Cook Islands /	0.12	0.10	Provided	ODA	Grant	Adaptation	Water and sanitation	
Cook Islands /	0.52	0.42	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Cook Islands /	0.52	0.42	Provided	ODA	Grant	Mitigation	Energy	
Ecuador /	0.11	0.09	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Fiji /	0.29	0.23	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Global/International /	0.70	0.57	Provided	ODA	Grant	Mitigation	Agriculture	
Global/International /	0.20	0.16	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Indonesia /	2.97	2.41	Provided	ODA	Grant	Mitigation	Energy	

Table 7(b)

NZL\_BR1\_v4.0

**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Indonesia /	0.76	0.62	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Kiribati /	0.04	0.03	Provided	ODA	Grant	Adaptation	Cross-cutting	
Kiribati /	0.09	0.07	Provided	ODA	Grant	Mitigation	Water and sanitation	
Kiribati /	0.02	0.02	Provided	ODA	Grant	Adaptation	Water and sanitation	
Kiribati /	0.07	0.06	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Pacific Regional /	0.18	0.15	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Pacific Regional /	0.05	0.04	Provided	ODA	Grant	Adaptation	Cross-cutting	
Pacific Regional /	0.28	0.23	Provided	ODA	Grant	Mitigation	Energy	
Papua New Guinea /	1.23	1.00	Provided	ODA	Grant	Mitigation	Energy	
Philippines /	0.78	0.63	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	

Table 7(b)

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**Provision of public financial support: contribution through bilateral, regional and other channels in 2012<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						
Samoa /	0.25	0.20	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Samoa /	0.09	0.07	Provided	ODA	Grant	Adaptation	Cross-cutting	
Solomon Islands /	0.17	0.14	Provided	ODA	Grant	Adaptation	Cross-cutting	
Solomon Islands /	1.42	1.15	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Solomon Islands /	0.75	0.61	Provided	ODA	Grant	Mitigation	Energy	
Tokelau /	0.71	0.57	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Tokelau /	3.40	2.75	Provided	ODA	Grant	Mitigation	Energy	
Tonga /	4.69	3.80	Provided	ODA	Grant	Mitigation	Energy	
Tonga /	0.55	0.45	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Tuvalu /	0.11	0.09	Provided	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<sup>a</sup>**

Recipient country/ region/project/programme <sup>b</sup>	Total amount		Status <sup>c</sup>	Funding source <sup>g</sup>	Financial instrument <sup>g</sup>	Type of support <sup>g, h</sup>	Sector <sup>d</sup>	Additional information <sup>e</sup>
	Climate-specific <sup>f</sup>							
	New Zealand	USD						
Vanuatu /	0.14	0.11	Provided	ODA	Grant	Adaptation	Other (Vulnerability Assessment)	
Vanuatu /	0.05	0.04	Provided	ODA	Grant	Mitigation	Forestry	
Viet Nam /	0.27	0.22	Provided	ODA	Grant	Adaptation	Cross-cutting	
Other Channels /	12.89	10.44	Provided	ODA	Grant	Other (Core/General)	Other (Core/General)	
Solomon Islands /	0.49	0.40	Provided	ODA	Grant	Adaptation	Other (Coastal Zone Management)	

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

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

<sup>b</sup> Parties should report, to the extent possible, on details contained in this table.

<sup>c</sup> 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.

<sup>d</sup> Parties may select several applicable sectors. Parties may report sectoral distribution, as applicable, under "Other".

<sup>e</sup> Parties should report, as appropriate, on project details and the implementing agency.

<sup>f</sup> Parties should explain in their biennial reports how they define funds as being climate-specific.

<sup>g</sup> Please specify.

<sup>h</sup> 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 2012<sup>a</sup>**

<i>Recipient country/ region/project/programme<sup>b</sup></i>	<i>Total amount</i>		<i>Status<sup>c</sup></i>	<i>Funding source<sup>g</sup></i>	<i>Financial instrument<sup>g</sup></i>	<i>Type of support<sup>g, h</sup></i>	<i>Sector<sup>d</sup></i>	<i>Additional information<sup>e</sup></i>
	<i>Climate-specific<sup>f</sup></i>							
	<i>New Zealand</i>	<i>USD</i>						

Other Channels: Core/General contributions are provided to regional organisations. These contributions represent the full amounts provided to the organisations for the full range of activities covered by their programmes, which include climate change mitigation and adaptation.

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Afghanistan	Mitigation		Energy	Public	Public	Implemented	
Bangladesh	Mitigation		Energy	Public	Private	Implemented	
Cook Islands	Adaptation		Water and sanitation	Public	Public	Implemented	
Cook Islands	Adaptation		Other (Vulnerability Assessment)	Public	Private and Public	Implemented	
Cook Islands	Mitigation		Energy	Public	Public	Implemented	
Ecuador	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Fiji	Adaptation		Other (Vulnerability Assessment)	Public	Private and Public	Implemented	
Global/International	Mitigation		Agriculture	Public	Public	Implemented	
Global/International	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Indonesia	Mitigation		Energy	Public	Public	Implemented	
Indonesia	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Kiribati	Adaptation		Other (Cross-cutting)	Public	Public	Implemented	
Kiribati	Adaptation		Water and sanitation	Public	Public	Implemented	
Kiribati	Mitigation		Water and sanitation	Public	Public	Implemented	
Kiribati	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Nepal	Mitigation		Water and sanitation	Public	Private	Implemented	
Pacific Regional	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Pacific Regional	Adaptation		Other (Cross-cutting)	Public	Public	Implemented	
Pacific Regional	Mitigation		Energy	Public	Private and Public	Implemented	
Philippines	Adaptation		Other (Cross-cutting)	Public	Public	Implemented	
Philippines	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Samoa	Adaptation		Other (Cross-cutting)	Public	Public	Implemented	
Samoa	Adaptation		Other (Vulnerability Assessment)	Public	Private and Public	Implemented	
Samoa	Mitigation		Energy	Public	Public	Implemented	
Solomon Islands	Adaptation		Other (Cross-cutting)	Public	Private and Public	Implemented	
Solomon Islands	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Tokelau	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Tokelau	Mitigation		Energy	Public	Public	Implemented	
Tonga	Mitigation		Energy	Public	Private and Public	Implemented	

Table 8

**Provision of technology development and transfer support<sup>a,b</sup>**

<i>Recipient country and/or region</i>	<i>Targeted area</i>	<i>Measures and activities related to technology transfer</i>	<i>Sector<sup>c</sup></i>	<i>Source of the funding for technology transfer</i>	<i>Activities undertaken by</i>	<i>Status</i>	<i>Additional information<sup>d</sup></i>
Tonga	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Tuvalu	Mitigation		Energy	Public	Public	Implemented	
Vanuatu	Adaptation		Other (Vulnerability Assessment)	Public	Public	Implemented	
Vanuatu	Mitigation		Other (Forestry)	Public	Public	Implemented	
Viet Nam	Adaptation		Other (Cross-cutting)	Public	Private and Public	Implemented	
Other Channels	Mitigation and Adaptation		Other (Core/General)	Public	Public	Implemented	
Papua New Guinea	Mitigation		Energy	Public	Public	Implemented	
Solomon Islands	Mitigation		Energy	Public	Private	Implemented	
Solomon Islands	Adaptation		Other (Coastal Zone Management)	Public	Public	Implemented	

<sup>a</sup> To be reported to the extent possible.<sup>b</sup> The tables should include measures and activities since the last national communication or biennial report.<sup>c</sup> Parties may report sectoral disaggregation, as appropriate.<sup>d</sup> 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**

Table 9

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**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Samoa	Adaptation	Tourism Tsunami Rebuilding Programme	Other Vulnerability Assessment: Support for rehabilitated beach fale, budget tourist accommodation businesses, and related tourist support services following the 2009 tsunami
Vanuatu	Adaptation	Vanuatu Inter-Island Shipping Programme	Energy: Support for a Renewable Energy and Energy Efficiency Unit, part of the Tuvalu Electricity Corporation, and a plan for infrastructure development for greater use of renewable energy generation
Global/International	Mitigation	GRA - GRASS awards	
Philippines	Adaptation	Support to the Integration of DRR/Adaptation into Local Development	Cross-cutting: Assessment of vulnerabilities across 30 provinces to disaster and climate change risks and development of land use plans
Tonga	Mitigation	Renewable Energy	Energy: Construction and five-year ongoing management of the 1 MW Popua Solar PV Power Plan
Cook Islands	Adaptation	Northern Group Water Project	Water and Sanitation: Provision of access to reliable supplies of portable water for remote island communities in the northern Cook Islands (sufficient to meet daily household requirements even through prolonged periods of dry weather)
Fiji	Adaptation	Fiji Flood Recovery - Infrastructure Projects	Other Vulnerability Assessment: Support for a range of infrastructure projects to assist citizens following the Nadi floods in January 2009
Solomon Islands	Adaptation	Domestic Maritime Support Project	Other Coastal Zone Management: Funding support to help build/rebuild six new wharves across Solomon Islands
Solomon Islands	Mitigation	SDF 2/134 Solar power in rural primary schools and ECE centres	Energy: Assistance to improve education quality by installation of solar power in rural primary schools and Early Childhood Education centres
Tonga	Mitigation	Village Network Upgrade	Energy: Access to safe, efficient and reliable electricity supply for rural and peri-urban households in 17 villages on Tongatapu, Tonga
Nepal	Mitigation	SDF 1/70 Waste Utilisation natural fertiliser	Water and Sanitation: Support for communities to compost waste and produce quality organic fertiliser (as waste reduction as landfill potentially reduces methane)
Kiribati	Adaptation	Urban Development: Temaiku Subdivision	Other Vulnerability Assessment: Support for development of a "climate proofed" residential subdivision at Temaiku, South Tarawa to accommodate natural urban growth and ease overcrowding in existing villages
Tokelau	Adaptation	Tokelau Budget Support 2010/11	Other Vulnerability Assessment: Budget support for Tokelau. Climate change is a significant element of Tokelau's national development plans
Samoa	Adaptation	Samoa tsunami evacuation maps and signage (GNS Science)	Cross-cutting: Provision of support for strengthening public awareness and preparedness in Samoa of tsunami threats and other hazards (including weather-related)
Kiribati	Adaptation	Urban Development: Rainwater Harvesting	Water and Sanitation: Provision of better access to safe drinking water on South Tarawa and Kiritimati Island through the installation of rainwater capture and storage systems on large public buildings
Global/International	Mitigation	GRA - Regional capacity building workshops	
Indonesia	Adaptation	Local Government Training for DRM Capacity Building	Other Vulnerability Assessment: Provision of support to help increase the capability of local government in Indonesia to reduce risk, prepare for, respond to and recover from natural disasters
Tonga	Mitigation	SDF 1/41 Ecocare Pacific Trust - Solar PV Programme for Tongan Schools	Energy: Support for the provision of renewable solar powered electricity generation for all schools in Tonga
Other Channels	Multiple Areas	Secretariat of the Pacific Community (SPC)	Multiple Areas: Provision of Core / General Contributions to regional organisations. These contributions represent the full amounts provided to the organisations for the full range of activities covered by their programmes, which include climate change mitigation and adaptation.
Cook Islands	Adaptation	Aitutaki - Cyclone Pat Recovery and Reconstruction	Other Vulnerability Assessment: Reconstruction work on Aitutaki to help better prepare the residents in the case of future natural disasters
Vanuatu	Adaptation	Vanuatu Tourism Assistance Programme	Other Vulnerability Assessment: Assistance with repairing the Port Vila seawall (and considering climate change in the design)



Table 9

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**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Other Channels	Multiple Areas	Secretariat of the Pacific Regional Environment Programme (SPREP)	Multiple Areas: Provision of Core / General Contributions to regional organisations. These contributions represent the full amounts provided to the organisations for the full range of activities covered by their programmes, which include climate change mitigation and adaptation.
Global/International	Adaptation	Climate Change and Development Fund	Other Vulnerability Assessment: Funding support to implement climate change projects in developing countries
Cook Islands	Adaptation	Aquaponics	Other Vulnerability Assessment: Aquaponics Pilot Project
Cook Islands	Adaptation	Manihiki Cyclone Shelters Repairs and Upgrades	Other Vulnerability Assessment: Construction upgrades to two cyclone management centres on Manihiki island
Pacific Regional	Adaptation	Ministry of Civil Defence and Emergency Management (MCDEM)	Other Vulnerability Assessment: Provision of support from the Ministry of Civil Defence and Emergency Management (MCDEM) to improve levels of resilience and enhanced capability to prepare for and respond to natural disasters in the Pacific
Papua New Guinea	Mitigation	Increasing Access to Electricity for Rural Communities	Energy: Support to increase access to electricity in rural Papua New Guinea, where the main energy supply is from hydropower
Pacific Regional	Adaptation	ICU Bulletin (Island Climate Update - NIWA/SPREP met forecasting)	Cross-cutting: Production of monthly climate bulletin including seasonal rainfall outlook for the south-west Pacific
Cook Islands	Mitigation	Cook Islands Renewable Energy	Energy: Support to enable the Cook Islands Government to progress the establishment of renewable electricity generation on Rarotonga
Indonesia	Adaptation	IMDFF-DR (Disaster Risk Management)	Other Vulnerability Assessment: Support for the implementation of the Government's Rehabilitation and Reconstruction Action Plans (RENAKSI) developed following disaster events
Vanuatu	Mitigation	MAQFF Interim support - forestry training	Forestry: Supporting 15 government forestry officers to complete the two-year Diploma in Agriculture course at Hango Agriculture College in Tonga
Cook Islands	Adaptation	Technical Assistance - CRRP fund	Other Vulnerability Assessment: Support for the Cyclone Recovery and Rehabilitation Plan (CRRP) for the Cook Islands
Kiribati	Mitigation	Urban Development: Solid Waste Management	Other Vulnerability Assessment: Support for development of a "climate proofed" residential subdivision at Temaiku, South Tarawa to accommodate natural urban growth and ease overcrowding in existing villages
Fiji	Adaptation	Fiji Rotahomes Koroipita Project (Phase 2)	Other Vulnerability Assessment: Provision of affordable and sustainable housing (using building codes to standard cyclones) to impoverished families
Indonesia	Mitigation	Indonesia Geothermal Energy	Energy: Support for geothermal development in Indonesia, largely through the use of technical assistance
Philippines	Adaptation	Project ReBUILD	Other Vulnerability Assessment: Resilience Capacity Building for cities and municipalities to reduce disaster risks
Viet Nam	Multiple Areas	Oxfam Climate Change Project	Cross-cutting: Enhanced capacity of coastal communities in Binh Dai and Thanh Phu districts to identify and manage the impacts of climate change and natural disasters on their livelihoods
Fiji	Adaptation	TC Tomas Home Rehabilitation Project - Habitat for Humanity Fiji	Other Vulnerability Assessment: Provision of hurricane resistant, home replacement structures to lower-income families in Vanua Levu, Fiji, whose homes were destroyed by Cyclone Tomas
Pacific Regional	Mitigation	Pacific Power Utilities improved energy efficiency	Energy: Energy efficiency assessment of 10 Pacific Island Power utilities to identify what can be done by Pacific Governments and Power Utilities to improve the efficiency of energy services
Ecuador	Adaptation	Ecuador: Landcare: Climate Change	Other Vulnerability Assessment: Support to rural inhabitants to develop more sustainable livelihoods based on better management of the natural resource base in páramo areas and associated watersheds, taking climate change into account

Table 9

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**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Samoa	Mitigation	Samoa Renewable Energy Feasibility	Energy: Assessment of the long-term feasibility of a proposed coconut oil extraction and bio-diesel processing plant to fuel electricity generation on Savai'i, Samoa
Tuvalu	Mitigation	Tuvalu renewable energy	Energy: Support for a Renewable Energy and Energy Efficiency Unit, part of the Tuvalu Electricity Corporation, and a plan for infrastructure development for greater use of renewable energy generation
Global/International	Mitigation	GRA - Collaborative research projects	
Kiribati	Mitigation	Urban Development: Solid Waste Management	Water and Sanitation: Provision of support to improve solid waste management in South Tarawa (with potential methane reduction benefits)
Solomon Islands	Adaptation	Munda Runway, Nusatupe Runway, Noro-Munda Rd	Other Vulnerability Assessment: Making the infrastructure more resistant to the forces of the weather, and some of the road work is also linked to improving access across low lying flood prone areas
Pacific Regional	Mitigation	Pacific Energy Summit	Energy: Funding / coordination in preparation for the Pacific Energy Summit
Solomon Islands	Adaptation	SDF 99 /1 Temotu Community Sustainable Livelihoods and Resilience	Cross-cutting: Strengthening of the local economy and livelihood security in order to mitigate the negative impacts of climate change and natural disasters on 942 households in Temotu Pele Constituency
Vanuatu	Adaptation	Vanuatu MCA Infrastructure	Other Vulnerability Assessment: Support for the completion of the Vanuatu Transport Infrastructure Project
Samoa	Adaptation	SDF 2/169 Indigenous housing as a solution to climate change	Other Vulnerability Assessment: Support for indigenous housing as a solution to climate risk in Samoa
Indonesia	Mitigation	Indonesia: Empower: Biogas	Energy: Development of renewable energy resources, particularly biomass waste, to improve the health, economic and social conditions of village households
Indonesia	Mitigation	GNS Science Geothermal training in Indonesia	Energy: Provision of training (in partnership with the University of Gadjah Mada) aimed at increasing the geothermal skill base in Indonesia
Global/International	Mitigation	GRA - Meeting attendance costs	
Afghanistan	Mitigation	Power Generation - Bamyar Province	Energy: Electrification of Bamyar Town and Nayak through solar Photovoltaics (PV)
Fiji	Adaptation	Informal Settlements – Rotahomes / Koroipita Project	Other Vulnerability Assessment: Assistance to provide impoverished families with affordable and sustainable housing using building codes to standard cyclones
Viet Nam	Adaptation	GNS Dam Safety Project	Cross-cutting: Provision / assistance with skills, tools, and processes to Vietnamese dam owners, industry professionals and government agencies in order to reduce the risk of catastrophic dam failure
Pacific Regional	Adaptation	Metservice - Meteorological Forecasting for cyclones	Other Vulnerability Assessment: Provision of forecasting services and warnings for tropical cyclones in the Pacific
Global/International	Adaptation	Cartagena Dialogue	Other Vulnerability Assessment: Support for the participation by developing country representatives at Cartagena meetings
Samoa	Adaptation	Post-Tsunami Resort Building (Concessional Finance Scheme)	Other Vulnerability Assessment: Support for rehabilitated high end tourist resorts following the 2009 tsunami
Indonesia	Mitigation	TA for Geothermal Scale-Up	Energy: Provision of technical assistance for capacity building for the transformational scale-up of geothermal development in Indonesia
Indonesia	Adaptation	National Disaster Management Framework	Other Vulnerability Assessment: Support for a National Disaster Management Framework
Tokelau	Adaptation	Tokelau Budget Support 2011/12	Other Vulnerability Assessment: Budget support for Tokelau. Climate change is a significant element of Tokelau's national development plans
Cook Islands	Adaptation	Alternate Jetty	Other Vulnerability Assessment: Construction of an alternative jetty at Arorangi, contributing to resilience in a natural disaster should Avatiu Port become inaccessible
Bangladesh	Mitigation	SDF 2/120 Rural Solar Power Project Bangladesh	Energy: Assistance to improve household lighting for rural Bangladesh families through the provision of affordable solar power units

**Provision of capacity-building support<sup>a</sup>**

<i>Recipient country/region</i>	<i>Targeted area</i>	<i>Programme or project title</i>	<i>Description of programme or project<sup>b,c</sup></i>
Global/International	Mitigation	GRA - LEARN fellowships	
Global/International	Mitigation	Biennial reports	Agriculture: Production of biennial reports by developing countries
Other Channels	Multiple Areas	University of the South Pacific (SPC)	Multiple Areas: Provision of Core / General Contributions to regional organisations. These contributions represent the full amounts provided to the organisations for the full range of activities covered by their programmes, which include climate change mitigation and adaptation.
Tokelau	Mitigation	Tokelau Renewable Energy	Energy: Installing three solar photovoltaic-based mini-grids to supply approximately 90% of Tokelau's current electricity demand
Global/International	Mitigation	GRA - LEARN fellowships	
Tonga	Adaptation	Police Support	Other Vulnerability Assessment: provision of support for upgrading new and existing building component
Kiribati	Multiple Areas	Strategic Policy Unit	Cross-cutting: Provision of support to the Strategic Policy Unit within the Office of the President, covering issues such as climate change and population

<sup>a</sup> To be reported to the extent possible.

<sup>b</sup> 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.

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

**Custom Footnotes**