



COMPLIANCE COMMITTEE

Annual status report of the annual inventory of New Zealand

Note by the secretariat

The annual status report of the annual inventory of New Zealand was published on 14 June 2012. For purposes of rule 10, paragraph 2, of the Rules of procedure of the Compliance Committee (annex to decision 4/CMP.2, as amended by decision 4/CMP.4), the report is considered received by the secretariat on the same date. This report, FCCC/ASR/2012/NZL, contained in the annex to this note, is being forwarded to the Compliance Committee in accordance with section VI, paragraph 3, of the annex to decision 27/CMP.1 and paragraph 49 of the annex to decision 22/CMP.1.

ADVANCE VERSION



United Nations



Framework Convention on Climate Change $FCCC_{\text{/ASR/2012/NZL}}$

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English only

Annual status report of the annual inventory of New Zealand

1. This status report was prepared by the expert review team as part of the initial check of the annual inventory submitted in accordance with decision 15/CMP.1. It reflects the content of the inventory submission of 2012 as originally submitted by the Party.

2. In this report, the following abbreviations are used:

AAU: assigned amount unit CER: certified emission reduction CRF: common reporting format ERU: emission reduction unit GHG: greenhouse gas KP-LULUCF: Article 3, paragraphs 3 and 4, activities under the Kyoto Protocol ICER: long-term certified emission reduction LULUCF: land use, land-use change and forestry NIR: national inventory report RMU: removal unit SBDT: sectoral background data tables SEF: standard electronic format SOPU: solvent and other product use tCER: temporary certified emission reduction

Notation keys C: confidential IE: included elsewhere NA: not applicable NE: not estimated NO: not occurring

Greenhouse gases CO₂: carbon dioxide CH₄: methane N₂O: nitrous oxide HFCs: hydrofluorocarbons PFCs: perfluorocarbons SF₆: sulphur hexafluoride NO_X: nitrogen oxides CO: carbon monoxide NMVOCs: non-methane volatile organic compounds SO₂: sulphur dioxide



	GKEENI	IOUSE GAS INVENT	ORY SUBMISSION
	Date of receipt	Date of resubmission	Comments
NIR	12 April 2012		
CRF tables ^a	12 April 2012		
Additional information ^b	12 April 2012		Party submitted the following additional information with its NIR:
			"NZ MED UNFCCC - Readiness Questionnaire v1.0.pdf";
			"NZEUR Backup Plan v1.0.pdf";
			"NZEUR DR Plan v1.0.pdf";
			"NZEUR Security Plan v1.0.pdf";
			"NZEUR Time Validation Plan v1.0.pdf";
			"System Admin User Guide Jan 2012.pdf";
			"AcctHolderType and ActivitySummJuly2011.xls";
			"External QA record.xlsx";
			"New Zealand's Agriculture emissions Tablebuilder.XLSX";
			"TCLProd and PreprodJuly2011 Test Log v6.0.xlsx"
			"Tier 1 QC documentation for LULUCF.XLSX";
			"NZEUR Business Acceptance Test Plan - Hosting Changeover.docx";
			"TestSummaryJuly2011.docx";
			"1279124 - NZEUR Hosting changeover August 2011 v3 4.doc";
			"GoLive_Tick_list v6.0.doc";
			"NZEUR Operations Manual v3 03.doc";
			"NZEUR Performance Test Report v1 7.doc";
			"NZEUR Test Plan v0.3.doc";
			"NZEUR Test Report (Phase 1-2) v0.1.doc";
			"TS-00010.doc";
			"UNFCCC ITL SSL Connectivity Testing v1.0 -NZ- Auckland.doc";
			"UNFCCC ITL VPN Connectivity Testing v0.5 - NZ Auckland Link.doc";
			"UNFCCC_ITLVPN_Specification_v1_12 - NZ- Auckland-A.doc";
			"TCL Data Centre Templates.zip"; and
			"Testcase_4.1_and_4.4_evidence_20100921.zip".

			GREENH	IOUSE GA	AS INVENT	ORY SUBMIS	SSION				
	Base year or period ^c	1990	Base y	ear for H	IFCs, PFC	s and $SF_6^{\ d}$	1990)			
	Gases covered	CO ₂	CH_4	N_2O	HFCs	PFCs	SF_6	NO _X	CO	NMVOCs	SO_2
			✓	✓	✓	 ✓ 	~	~	✓	√	✓
NIR	Description	The organization of the NIR follows the structure outlined in the updated UNFCCC reporting guidelines ^e on annual inventories following incorporation of the provisions of decision 14/CP.11, elaborated with the annotated outline of the NIR.									
	Language of NIR	Englis	h								
CRF^{j}	Missing source category larger than 7 per cent for categories included in Annex A to the Kyoto Protocol										

^a CRF tables are contained in document FCCC/SBSTA/2006/9, annex II.

^b Additional information can be any information submitted by a Party in conjunction with the NIR or CRF tables.

 c Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

 d A Party may select 1990 or 1995 as the base year for the fluorinated gases in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

^e "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines for annual inventories" (FCCC/SBSTA/2006/9).

 f A Party has not reported an estimate for an Annex A category that accounted for 7 per cent or more of the Party's aggregate emissions (decision 15/CMP.1, para. 3(b)).

	SUBMISSION OF	SUPPLEMENTARY	INFORMATION UNI	DER ARTICLE 7.1
		Date of receipt	Date of resubmission	Comments
ion	KP-LULUCF information ^a	12 April 2012		NIR, page 321, chapter 11.
format	KP-LULUCF CRF ^b	12 April 2012		CRF provided for years: 2008–2010
of supplementary information	Information on Kyoto units (ERUs, CERs, RMUs and AAUs) c	12 April 2012		NIR, page 339, chapter 12.
ddns fc	SEF ^d with Kyoto units	12 April 2012		
Reporting o	Change in national system ^e	12 April 2012		NIR, page 336, chapter 13.
Repc	Change in national registry ^e	12 April 2012		NIR, page 357, chapter 14.
	Minimization of adverse impacts ^e	12 April 2012		NIR, page 360, chapter 15.

^{*a*} Parties are required to include in their annual submission information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, in accordance with the annex to decision 15/CMP.1, paragraphs 5–9.

^b Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3. Parties may also elect to report these tables for the base year or 1990.

^c Parties are required to include in their annual submission information on ERUs, CERs, tCERs, ICERs, AAUs and RMUs, in accordance with the annex to decision 15/CMP.1, section I.E.

^d SEF for reporting Kyoto Protocol units, as adopted under decision 14/CMP.1 and required by the annex to decision 15/CMP.1, paragraph 11.

^e The requirements for Parties to report on changes in national systems in accordance with Article 5, paragraph 1, changes in national registries, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, are set out in sections I.F, I.G and I.H, respectively, of the annex to decision 15/CMP.1.

		Provision	n of info	rmation for	the lates		PAR' l inve		ar in t	he commo	on rep	orting format: 2010			
		Energy		Industrial pr	ocesses	SOPU		Agricult	ure	LULUC	F	KP-LULUCF ^a		Waste	2
	Sectoral report	1	✓	2(I)	\checkmark	3	~	4	✓	5	~	5(KP)	✓	6	~
	tables			2(II)	~				-						
	Sectoral	1.A(a)	✓	2(I).A–G	~	3.A–D	~	4.A	~	5.A	~	5(KP-I)A.1.1	~	6.A	~
	background data tables	1.A(b)	✓	2(II).C	~			4.B(a)	✓	5.B	~	5(KP-I)A.1.2	~	6.B	~
		1.A(c)	✓	2(II).E	~			4.B(b)	~	5.C	~	5(KP-I)A.1.3	~	6.C	~
		1.A(d)	✓	2(II).F	~			4.C	✓	5.D	~	5(KP-I)A.2	~		
		1.B.1	✓					4.D	~	5.E	~	5(KP-I)A.2.1.	~		
		1.B.2	✓					4.E	~	5.F	~	5(KP-I)B.1.	~		
		1.C	✓					4.F	✓	5 (I)	~	5(KP-I)B.2.	~		
es		Bunkers	separate	ely 🗸						5 (II)	~	5(KP-I)B.3.	~		
salan I										5 (III)	~	5(KP-I)B.4.	~		
										5 (IV)	~	5(KP-II)1	~		
										5 (V)	~	5(KP-II)2	~		
												5(KP-II)3	~		
												5(KP-II)4	~		
												5(KP-II)5	~		
												Accounting table	~		
	Summary tables	Summar	ry 1.A	~	Summ	ary 1.B		~			Sum	mary 2		•	1
	Other tables	Summa	ry 3	✓	Table 7	7 (Key cat	egorie	es) 🗸			Tabl	e 9(a) (Completeness))		1
		Table 10) (Trends	s) 🗸							Tabl	e 9(b) (Completeness)		
	Comments			I	<u> </u>										

^{*a*} Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.3.

	Provision of i	nformation for t	he lates	t reported	PAF inventory		ommon rep	orting fo	rmat: 2010 (continued)	
als	Provided for gases	CO ₂ 🖌	CH4	 Image: A start of the start of	N_2O	~	HFCs 🖌		PFCs 🗸	SF	6 🗸
Totals	Provided for years	1990–2010	1990-	2010	1990–	2010	1992–2010		1990–2010	19	90–2010
		Reference appro	bach	Sectoral a	pproach	Difference m	ore than 2 p	per cent	If difference	e is more th	an 2 per cent
2	Comparison of CO2 from fuel combustion	v		✓		√			Explanation provided	n 🗸	
SF_{δ}					HFCs		PFCs			SF_6	
	Disaggregation by sp	ecies			~		~				
5	Reporting of actual a				Actual	Potential	Actual	Potenti	al	Actual	Potential
HFc	estimates in the categ and SF ₆	ory consumptior	n of hale	ocarbons	~	~	~	~		~	~
tion vs	Used in	Summary table .	1.A	~	Sectoral	report tables	~	Sector	al backgrour	nd data tabl	es 🖌
Notation keys	Comments						•				

	PART II Provision of common reporting format tables for years reported																
				Years													
				Base year ^a	0661	1995	2000	2003	2004	2005	2006	2007	2008	2009	2010	Information gaps relating to reporting ^b	Comments
	Secto	oral report: ta	ible 1		~	~	~	~	~	~	~	~	~	~	~		
		Table 1.A(a)			~	~	~	~	~	~	~	~	~	~	~		
		Table 1.A(b))		~	~	~	~	~	~	~	~	~	~	~	✓	
'gy		Table 1.A(c)			~	~	~	~	~	~	~	~	~	~	~		
Energy	SBDT	Table 1.A(d))		~	~	~	~	~	~	~	~	~	~	~		
		Table 1.B.1			~	~	~	~	~	~	~	~	~	~	~		
		Table 1.B.2			~	~	~	~	~	~	~	~	~	~	~	✓	
		Table 1.C			~	~	~	~	~	~	~	~	~	~	~		
	Secto		Table 2(I)		~	~	~	~	~	~	~	~	~	~	~		
	repoi	rts:	Table 2(II)		~	~	~	~	~	~	~	~	~	~	~		
esses		Table 2(I).A-	–G		~	~	~	~	~	~	~	~	~	~	~		
al proc		Table 2(II).C			~	~	~	~	~	~	~	~	~	~	~		
Industrial processes	SBDT	Table 2(II).E			~	~	~	~	~	~	~	~	~	~	~		No numerical data are reported in this table for the years 1990–2010. For the years 1990–2007 the notation key NO is used. For the years 2008–2010 the notation keys NO, NA are used.
		Table 2(II).F			~	√	~	~	~	~	~	~	~	~	~		

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	PART II Provision of common reporting format tables for years reported (continued)															ears reported (continued)
			Years													
			Base year ^a	1990	1995	2000	2003	2004	2005	2006	2007	2008	2009	2010	Information gaps relating to reporting ^b	Comments
use	Secto	oral report: Table 3		~	~	~	~	~	✓	~	~	~	~	~		
Solvent	SOPU	Table 3.A–D		~	~	~	~	~	~	~	~	~	~	~	✓	
	Secto	oral report: Table 4		~	~	~	~	~	~	~	~	~	~	~		
		Table 4.A		✓	~	~	~	~	~	~	~	~	~	~		
		Table 4.B(a)		~	~	~	~	~	✓	~	~	~	~	~		
lture		Table 4.B(b)		~	~	~	~	~	~	~	~	~	~	~		
Agriculture	SBDT	Table 4.C		~	~	~	~	~	√	~	~	~	~	~		No numerical data are reported in this table, the notation key NO is used.
		Table 4.D		~	~	~	~	~	~	~	~	~	~	~		
		Table 4.E		~	~	~	~	~	~	~	~	~	~	~		
		Table 4.F		✓	~	~	~	√	✓	~	✓	✓	~	~		

	PART II Provision of common reporting format tables for years reported (continued)															ears reported (continued)
	Years															
			Base year ^a	1990	1995	2000	2003	2004	2005	2006	2007	2008	2009	2010	Information gaps relating to reporting ^b	Comments
	Secto	oral report: Table 5		~	~	~	~	~		1	~	~	~	~		
		Table 5.A		~	~	~	~	~	~	~	~	~	~	~		
		Table 5.B		~	~	~	~	~	~	~	~	~	~	~		
		Table 5.C		~	~	~	~	~	~	~	~	~	~	~		
		Table 5.D		~	~	~	~	~	~	~	~	~	~	~		
CF		Table 5.E		~	~	~	~	~	~	~	~	~	~	~		
LULUCF	SBDT	Table 5.F		~	~	~	~	~	~	~	~	~	~	~		
		Table 5 (I)		~	~	~	~	~	~	~	~	~	~	~		No numerical data are reported in this table, the notation key IE is used.
		Table 5 (II)		~	~	~	~	~	~	~	~	~	~	~		No numerical data are reported in this table, the notation key NE is used.
		Table 5 (III)		~	~	~	~	~	~	~	~	~	~	~		
		Table 5 (IV)		~	~	~	~	~	~	~	~	~	~	~		
		Table 5 (V)		~	~	~	~	~	~	~	~	~	~	~		

						Pr	ovisi	on of	f con	ımon	repo	ortin		PART II mat tables for years	reported (continued)
		Years		T		T	T		1						
		Base year ^a	0661	1995	2000	2003	2004	2005	2006	2007	2008	2009	2010	Information gaps relating to reporting ^b	Comments
Se	ectoral report: Table 5 (KP)										~	~	~		
	Table 5 (KP-I) A.1.1										~	~	~		
	Table 5 (KP-I)A.1.2										~	~	~		
	Table 5 (KP-I) A.1.3										✓	~	~		No numerical data are reported in this table, the notation key NA is used.
	Table 5 (KP-I) A.2										~	~	~		
	Table 5 (KP-I) A.2.1										✓	√	~		
	Table 5 (KP-I) B.1										~	~	~		
KP-LULUCF	Table 5 (KP-I) B.2										✓	√	~		No numerical data are reported in these tables, the notation key NA is used.
VD-LU	Table 5 (KP-I) B.3										~	~	~		
1	Table 5 (KP-I) B.4										~	~	~		
	Table 5 (KP-II) 1										~	~	~		No numerical data are reported in this table, the notation keys IE, NA are used.
	Table 5 (KP-II) 2										~	~	~		No numerical data are reported in this table, the notation key NA is used.
	Table 5 (KP-II) 3										✓	~	~		
	Table 5 (KP-II) 4										~	~	~		
	Table 5 (KP-II) 5										✓	~	~		
A	ccounting table										✓	~	~		

	PART II Provision of common reporting format tables for years reported (continued)															arted (continued)
			Years				1100	151011		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		port	ing i	011112		
	Active Section 2000 years ye													Information gaps relating to reporting ^b	Comments	
	Secto	oral report: Table 6		~	~	~		~	~	~	~	~	~	~		
ste		Table 6.A		~	~	~	~	~	~	~	~	~	~	~		
Waste	SBDT	Table 6.B		~	~	~	~	~	~	~	~	~	~	~		
		Table 6.C		~	~	~	~	~	~	~	~	~	~	~		
		Summary 1.A		~	~	~	~	~	~	~	~	~	~	~		
		Summary 1.B		~	~	~	~	~	~	~	~	~	~	~		
		Summary 2 (CO ₂ equivalent emissions)		~	~	~	~	~	~	~	~	~	~	~		
tables		Summary 3 (Methods/emission factors)		~	~	~	~	~	~	~	~	~	~	~		
other	ЪТ	Table 7 (Key categories)		~										~		
Summary and other tables	SBDT	Table 8(a) (Recalculation – recalculated data)		~	~	~	~	~	~	~	~	~	~			
Sun		Table 8(b) (Recalculation – explanatory information)		~	~	~	~	~	~	~	~	~	~			
		Table 9(a) (Completeness)		~	~	~	~	~	~	~	~	~	~	~		
		Table 9(b) (Completeness)		~	~	~	~	~	~	~	~	~	~	~		
		Table 10 (Trends)		~	~	~	~	✓	~	~	~	~	~	~		

^{*a*} Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

^b This column indicates that reporting gaps (blank cells) have been identified in a given table of the CRF. This was owing to limited use, or lack, of notation keys (NO, NE, NA, IE, C).

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			PART III			
		Provision of inf	formation relating to reca	lculations		
Table 8(a) (Recalculated data)	\checkmark	Comments				
Recalculation reported for years	1990–2009					
Recalculated sectors/gases	Energy	Industrial processes	Solvent and other product use	Agriculture	LULUCF	Waste
CO_2	\checkmark	\checkmark			✓	\checkmark
CH_4	\checkmark			✓	✓	\checkmark
N ₂ O	\checkmark			✓	✓	\checkmark
HFCs		✓				
PFCs		✓				
SF_6		✓				
Table 8(b) (Explanatory information)	✓	V		~	✓	V
Percentage difference in aggregat	e greenhouse gas	Base year estimate: ^a	with LULUCF:	-9.12 %	without LULUCF:	1.16 %
emission		Latest recalculated year: ^b	with LULUCF:	3.12 %	without LULUCF:	1.30 %

^a Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or a period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.
 ^b The latest recalculated year is the submission year minus 3.

		PART IV		
		Provision of information relating to KP-LULUCF activities under	Article 3, pa	aragraphs 3 and 4
			Provided	Observation
		ons by sources and removals by sinks are clearly distinguished from emissions from categories d in Annex A to the Kyoto Protocol	~	
6		ation on how inventory methodologies have been applied taking into account IPCC good practice ce for LULUCF ^a and decision 16/CMP.1	~	
ohs 5-	Informa	ation on geographical location of the boundaries of areas that encompass:		
ragraț		Units of land subject to activities under Article 3.3	✓	
annex, pa		Units of land subject to activities under Article 3.3, which would otherwise be included in land subject to elected activities under Article 3.4		New Zealand did not elect any activity under Article 3, paragraph 4.
MP.I,		Land subject to elected activities under Article 3.4		paragraph 4.
ision 15/C		ation on the spatial assessment unit for determining the area of accounting for afforestation, tation and deforestation	~	
Reporting requirements under decision 15/CMP.1, annex, paragraphs 5–9	geograp	ation on GHG emissions/removals resulting from activities under Article 3.3 and 3.4, for all phical locations reported in the current and previous years since the beginning of the commitment or the onset of the activity, whichever comes later	√	
equiremer		ation on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic) that are not accounted for	~	
eporting r		ation on anthropogenic GHGs from LULUCF activities under Article 3.3 and 3.4 factoring out ls from:		
R_{c}		Elevated CO ₂ concentrations above pre-industrial levels	✓	
		Indirect nitrogen deposition	✓	
		The dynamic effects of age structure resulting from activities prior to 1 January 1990	✓	

^{*a*} The Intergovernmental Panel on Climate Change Good Practice Guidance for Land Use, Land-Use Change and Forestry.

PART IV Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4 (continued)				
			Provided	Observation
Reporting requirements under decision 15/CMP.1, amex, paragraphs 5–9	Specific information to be reported for Article 3.3 activities:			
		Activities under Article 3.3 that began on or after 1 January 1990 and before 31 December of the last year of the commitment period, and are directly human induced	~	
		How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation	~	
		Emissions/removals from lands harvested during the first commitment period following afforestation and reforestation on these units of land since 1990	~	
101 11	Specific information to be reported for Article 3.4 activities:			
101770		Activities under Article 3.4 that occurred since 1 January 1990 and are human induced		New Zealand did not elect any activity under Article 3, paragraph 4.
ments under		Cropland management, grazing land management, revegetation: emissions/removals reported for each year of the commitment period and for the base year for each of the elected activities on the geographical locations reported		
18 1044110		Emissions/removals from Article 3.4 activities that are not accounted for under activities under Article 3.3		
Reporti		Forest management: information on the extent to which GHG removals by sinks offsets the debit incurred under Article 3.3		