



Annual status report of the greenhouse gas inventory of Canada

1. This status report was prepared by the secretariat as part of the initial check of the greenhouse gas inventory submitted in accordance with decision 19/CP.8. It reflects the content of the inventory submission of 2014 as originally submitted by the Party.

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

CRF: common reporting format

LULUCF: land use, land-use change and forestry

NIR: national inventory report

SBDT: sectoral background data tables

SOPU: solvent and other product use

Notation keys

C: confidential

IE: included elsewhere

NA: not applicable

NE: not estimated

NO: not occurring

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



GREENHOUSE GAS INVENTORY SUBMISSION											
General information		Date of receipt			Date of resubmission			Comments			
	NIR	11 April 2014									
	CRF tables ^a	11 April 2014									
	Additional information ^b										
	CRF provided for years	1990–2012									
	Base year or period ^c	1990									
	Gases covered	CO ₂	CH ₄	N ₂ O	HFCs	PFCs	SF ₆	NO _x	CO	NMVOCs	SO ₂
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NIR	Description	The organization of the NIR, in general, follows the structure outlined in the revised UNFCCC reporting guidelines ^d (decision 18/CP.8).									
	Language of NIR	English									

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

PART I														
Provision of information for the latest reported inventory year in the common reporting format: 2012														
Tables		Energy		Industrial processes		SOPU		Agriculture		LULUCF		Waste		
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	5	✓	6	✓	
				2(II)	✓									
	Sectoral background data tables	1.A(a)	✓	2(I).A–G	✓	3.A–D	✓	4.A	✓	5.A	✓	6.A	✓	
		1.A(b)	✓	2(II).C	✓			4.B(a)	✓	5.B	✓	6.B	✓	
		1.A(c)	✓	2(II).E	✓			4.B(b)	✓	5.C	✓	6.C	✓	
		1.A(d)	✓	2(II).F	✓			4.C	✓	5.D	✓			
		1.B.1	✓					4.D	✓	5.E	✓			
		1.B.2	✓					4.E	✓	5.F	✓			
		1.C	✓					4.F	✓	5 (I)	✓			
		Bunkers separately		✓					5 (II)		✓			
										5 (III)		✓		
										5 (IV)		✓		
									5 (V)		✓			
	Summary tables	Summary 1.A			✓	Summary 1.B			✓	Summary 2			✓	
	Other tables	Summary 3			✓	Table 7 (Key categories)			✓	Table 9(a) (Completeness)			✓	
Table 10 (Trends)			✓					Table 9(b) (Completeness)						
Comments														
Totals	Provided for gases	CO ₂ ✓		CH ₄ ✓		N ₂ O ✓		HFCs ✓		PFCs ✓		SF ₆ ✓		
	Provided for years	1990–2012		1990–2012		1990–2012		1990–1992, 1995–2012		1990–2012		1990–2012		
CO ₂	Comparison of CO ₂ from fuel combustion	Reference approach		Sectoral approach			Difference more than 2 per cent			If difference is more than 2 per cent				
		✓		✓						Explanation provided				
HFCs, PFCs, SF ₆	Disaggregation by species			HFCs			PFCs			SF ₆				
				✓			✓							
	Reporting of actual and/or potential emission estimates in the category consumption of halocarbons and SF ₆			Actual	Potential	Actual	Potential	Actual	Potential					
				✓	✓	✓	✓	✓	✓					
Inventory keys	Used in	Summary table 1.A			✓	Sectoral report tables			✓	Sectoral background data tables			✓	
	Comments													

PART II																		
Provision of common reporting format tables for years reported																		
			Years												Information gaps relating to reporting ^b Comments			
			Base year ^a	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012				
Energy	Sectoral report: Table 1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	SBDT	Table 1.A(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.A(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.A(c)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.A(d)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.B.1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.B.2		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 1.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Industrial processes	Sectoral reports: Table 2(I)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	Table 2(II)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	SBDT	Table 2(I).A–G		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 2(II).C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
		Table 2(II).E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1993–2012. For these years the notation keys NA and NO are used.		
		Table 2(II).F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–1994. For these years the notation keys NA and IE are used.		
SOPU	Sectoral report: Table 3			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	SBDT	Table 3.A–D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				

PART II																
Provision of common reporting format tables for years reported (continued)																
		Years												Information gaps relating to reporting ^b Comments		
		Base year ^a	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012			
Agriculture	Sectoral report: Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.B(a)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.B(b)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NO and NA are used.	
	Table 4.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation key NO is used.	
	Table 4.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 4.G															
LULUCF	Sectoral report: Table 5		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5.C		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NE and NO are used.	
	Table 5.D		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5.E		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5.F		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NE and NO are used.	
	Table 5.G															
	Table 5(I)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys IE and NA are used.	

PART II																
Provision of common reporting format tables for years reported (continued)																
		Years														
		Base year ^a	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	Information gaps relating to reporting ^b	Comments	
	Table 5(II)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		No numerical data are reported in this table for the years 1990–2012. For these years the notation keys NA and NO are used.	
	Table 5(III)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5(IV)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 5(V)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

PART II																
Provision of common reporting format tables for years reported (continued)																
		Years												Information gaps relating to reporting ^b Comments		
		Base year ^a	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012			
Waste	Sectoral report: Table 6		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	SBDT	Table 6.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 6.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
		Table 6.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Summary and other tables	Summary 1.A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Summary 1.B		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Summary 2 (CO ₂ equivalent emissions)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Summary 3 (Methods/emission factors)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 7 (Key categories)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Table 8(a) (Recalculation – recalculated data)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	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 The latest recalculated year is the submission year minus 3.

PART III						
Provision of information relating to recalculations						
Table 8(a) (Recalculated data)	✓	Comments				
Recalculation reported for years	1990–2011					
Recalculated sectors/gases	Energy	Industrial processes	SOPU	Agriculture	LULUCF	Waste
CO ₂	✓	✓			✓	✓
CH ₄	✓			✓	✓	✓
N ₂ O	✓			✓	✓	✓
HFCs		✓				
PFCs		✓				
SF ₆		✓				
Table 8(b) (Explanatory information)	✓	✓		✓	✓	✓
Percentage difference in aggregate greenhouse gas emission	Base year estimate: ^a		With LULUCF:	–1.81%	Without LULUCF:	–0.03%
	Latest recalculated year: ^b		With LULUCF:	–1.4%	Without LULUCF:	–0.08%

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^b The latest recalculated year is the submission year minus 3.