



## Status report of the annual inventory of Canada

1. This status report was prepared by the secretariat pursuant to decision 13/CP.20, as part of the initial assessment of Canada's 2021 annual greenhouse gas inventory, submitted in accordance with decision 24/CP.19.
2. The report reflects the content of the inventory submission as submitted by the Party, which, in accordance with decision 24/CP.19, is due by 15 April each year (dates of submission are provided in the table on page 2).
3. In accordance with decision 24/CP.19 Parties report aggregate emissions and removals in carbon dioxide equivalent using the global warming potential values from the Fourth Assessment Report of the Intergovernmental Panel on Climate Change over a 100-year time-horizon.
4. In this report, the following abbreviations are used:

CRF: common reporting format

GHG: greenhouse gas

IPPU: industrial processes and product use

LULUCF: land use, land-use change and forestry

NIR: national inventory report

### *Notation keys*

C: confidential

IE: included elsewhere

NA: not applicable

NE: not estimated

NO: not occurring

### *Gases*

CH<sub>4</sub>: methane

CO: carbon monoxide

CO<sub>2</sub>: carbon dioxide

HFC: hydrofluorocarbon

HFC/PFC mix: unspecified mix of hydrofluorocarbons  
and perfluorocarbons

NF<sub>3</sub>: nitrogen trifluoride

NMVOC: non-methane volatile organic compound

NO<sub>x</sub>: nitrogen oxides

N<sub>2</sub>O: nitrous oxide

PFC: perfluorocarbon

SF<sub>6</sub>: sulfur hexafluoride

SO<sub>2</sub>: sulfur dioxide



Part I													
General information regarding 2021 inventory submission													
General information		Date of original submission			Date of resubmission(s)			Comments <sup>a</sup>					
	NIR	12 April 2021											
	CRF tables <sup>b</sup>	12 April 2021						Latest inventory (assessed in this report): CAN_2021_1					
	Additional information <sup>c</sup>												
	CRF tables provided for years	1990–2019											
	Base year or period <sup>d</sup>	1990											
	Gases covered <sup>e</sup>	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	HFC/PFC mix	SF <sub>6</sub>	NF <sub>3</sub>	NO <sub>x</sub>	CO	NMVOCs	SO <sub>2</sub>
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

<sup>a</sup> The comment field is used to indicate the name of the inventory being assessed (relevant to CRF tables), the names of the files submitted as additional information (relevant to the row for additional information) and any other information relevant to the submission.

<sup>b</sup> The CRF tables are contained in annex II to decision 24/CP.19.

<sup>c</sup> Additional information can be any information submitted by a Party in conjunction with its NIR or CRF tables.

<sup>d</sup> Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or period of years other than 1990, in accordance with the provisions of Article 4, para. 6, of the Convention and decision 24/CP.19.

<sup>e</sup> If, in the latest year, for a given gas, a Party reports a numerical value or a notation key other than “NE”, a tick is shown in the respective cell; if “NE”, zero or no value is reported the cell is left blank.

Part II													
Completeness of CRF tables for the latest reported inventory year (2019)													
Sectoral tables		Energy		IPPU		Agriculture		LULUCF				Waste	
	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	4.1	✓	5	✓
	Sectoral background tables	1.A(a)	✓	2(I)A-H	✓	3.A	✓	4.A	✓	4(I)	✓	5.A	✓
		1.A(b)	✓	2(II)	✓	3.B(a)	✓	4.B	✓	4(II)	✓	5.B	✓
		1.A(c)	✓	2(II)B-H	✓	3.B(b)	✓	4.C	✓	4(III)	✓	5.C	✓
		1.A(d)	✓			3.C	✓	4.D	✓	4(IV)	✓	5.D	✓
		1.B.1	✓			3.D	✓	4.E	✓	4(V)	✓		
		1.B.2	✓			3.E	✓	4.F	✓				
		1.C	✓			3.F	✓	4.G	✓				
		1.D	✓			3.G-I	✓						
Summative and cross-cutting tables <sup>a</sup>	Cross-sectoral report tables	Table 6 (Indirect emissions of N <sub>2</sub> O and CO <sub>2</sub> )					✓						
	Other tables	Table 9 (Information on notation keys – “NE”)					✓	Table 9 (Information on notation keys – “IE”)					✓

Note: A tick indicates that the respective table is not blank.

<sup>a</sup> Tables that are automatically generated by CRF Reporter (summary table 1.A, summary table 2, summary table 3, table 7 key categories, table 10 emissions trends) are not included here.

Part III										
Provision of selected information in the CRF tables										
Direct GHG totals <sup>a</sup>	Gas	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	HFCs	PFCs	HFC/PFC mix	SF <sub>6</sub>	NF <sub>3</sub>	
	Provided for years	1990–2019	1990–2019	1990–2019	1990–2019	1990–2019	1990–2019	1990–2019	1990–2019	
Indirect CO <sub>2</sub>	Sector	Energy	IPPU		Agriculture	LULUCF		Waste		Other
	Provided for years		1990–2019			1990–2019				1990–2019
Energy CO <sub>2</sub> <sup>b</sup>	Comparison of CO <sub>2</sub> emissions from fuel combustion <sup>b</sup>	Reference approach	Sectoral approach		Difference between reference and sectoral approach more than 2%					
		✓	✓		Liquid	✓	Solid		Gaseous	
International bunkers	Bunker type	Aviation	Navigation							
	Provided for years	1990–2019	1990–2019							
HFCs and PFCs <sup>b, c</sup>	Disaggregation by species	HFCs	PFCs							
		✓	✓							

<sup>a</sup> Considered provided if the total for a given gas is a numerical value or a notation key other than “NE”.

<sup>b</sup> A tick indicates that the information is provided.

<sup>c</sup> Assessment based on information reported for the latest inventory year.

Part IV					
Completeness of CRF tables for years reported (base year, 1990–2019)					
	<i>Yes/no</i>	<i>Sector</i>	<i>Table</i>	<i>Year(s)</i>	<i>Notation keys used</i>
CRF submission contains blank tables <sup>a</sup>	No				
CRF submission includes tables containing only notation keys <sup>b</sup>	Yes	Energy	Table1.C	1990–1999	IE, NA, NO
		Agriculture	Table3.C	1990–2019	NO
		Agriculture	Table3.E	1990–2019	NO
		LULUCF	Table4.F	1990–2019	NE, NO
		LULUCF	Table4(I)	1990–2019	IE, NA, NO
		LULUCF	Table4(IV)	1990–2019	IE

<sup>a</sup> Excludes table 8 in the latest reported inventory year.

<sup>b</sup> Notation keys associated with methods and emission factor information are not considered.

Part V					
Provision of information in the CRF tables relating to recalculations					
Recalculation reported for years <sup>a</sup>	1990–2018				
Recalculated sectors/gases <sup>b</sup>	Energy	IPPU	Agriculture	LULUCF	Waste
CO <sub>2</sub>	✓	✓	✓	✓	✓
CH <sub>4</sub>	✓	✓	✓	✓	✓
N <sub>2</sub> O	✓	✓	✓	✓	✓
HFCs		✓			
PFCs		✓			
HFC/PFC mix					
SF <sub>6</sub>		✓			
NF <sub>3</sub>		✓			
Indirect CO <sub>2</sub>	✓				
Percentage difference in aggregate GHG emissions	Base-year estimate: <sup>c</sup>	With LULUCF:	0.20%	Without LULUCF:	–0.28%
	Latest recalculated year: <sup>d</sup>	With LULUCF:	2.85%	Without LULUCF:	–0.12%

<sup>a</sup> Years in which recalculations were performed.

<sup>b</sup> Tick indicates that, for the respective sector and gas, recalculations were performed for one or more years.

<sup>c</sup> 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, para. 6, of the Convention and decision 24/CP.19.

<sup>d</sup> The latest recalculated year is the latest reported inventory year minus one.