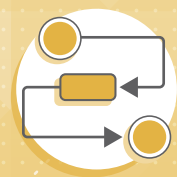
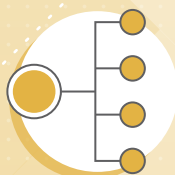


NDC TRANSPARENCY CHECK



MAKING CANADA'S 2021 NDC MORE TRANSPARENT

March 2021



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The NDC Transparency Check provides recommendations on what information countries should provide in their 2020 NDC Update to ensure its clarity, transparency, and understanding.

This is done by evaluating existing NDCs and assessing the information provided the annex of 4/CMA.1 under Article 4.8. of the Paris Agreement, to come up with clear and practical recommendation on which information should be included in the 2020 NDC Update in order to be in full conformance with international agreements.

01

INTRODUCTION TO THE 'NDC TRANSPARENCY CHECK'

The Paris Agreement was agreed in 2015 at the 21st United Nations Framework Convention on Climate Change Conference of the Parties (UNFCCC COP 21), and came into force a year later. Almost all countries are currently signatories of the Agreement.

The objective of the NDC Transparency Check is to provide a robust reference to assess whether the communication of Parties on the proposed mitigation in their Nationally Determined Contributions (NDCs) is clear, transparent and understandable, in terms of the requirements set out in the Paris Agreement, its accompanying decision (1/CP.21) and the Annex to decision 4/CMA.1, which sets out the “information to facilitate clarity, transparency and understanding of nationally determined contributions”.

Legally, the Annex is only binding from the second NDC onwards. However, Parties are “strongly encouraged” to apply the Annex to updated NDCs, due 2020.

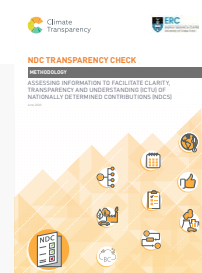
The Canadian government is revising the current NDC to update its commitment in relation to the Paris Agreement’s long-term goals, under the country’s specific circumstances.

In this context, the NDC Transparency Check provides information to support the process of a revision, especially in relation to the clarity of the proposed mitigation outcomes. This could help not only to provide additional clarity on the Canada’s mitigation goals and their underlying policies and measures, but also to provide clarity on the likely collective outcome of mitigation efforts as committed to in the NDCs.

While the approach taken for this assessment is based on conformance with the Annex, this ‘NDC Transparency Check’ aims to assess both:

- i. Conformance of a country’s NDC with the Katowice Rule Book, and;
- ii. The extent to which a country has provided additional information in relation to each element of the Annex which enhances clarity, transparency and understanding.

The detailed methodology as well as other assessment are available on: www.climate-transparency.org



02

SUMMARY AND RECOMMENDATIONS

The Paris Agreement architecture is based on the continuous increase of the Nationally Determined Contributions' (NDCs) ambition and align global emissions to the long-term climate goals of restricting global warming to well below 2°C above pre-industrial temperatures and pursue efforts to limit it to 1.5°C.

Historically, Canada's climate policy action has lagged its commitments and targets. However, the recent release of the *Healthy Environment and a Healthy Economy Plan* represents a policy path to meet its 2030 NDC target. If implemented, it would also put Canada on a path to meeting its commitment of achieving net zero emissions by 2050.

The federal government has also proposed the Net-Zero Emissions Accountability Act (2020), which legally commits the country to develop a target to achieve net-zero emissions by 2050. The Act also requires that five-year milestones be established (for 2030, 2035, 2040, and 2045) along with emission reduction plans for each target date. However, the advancement of effective climate action and policies requires effective coordination amongst federal departments, and between governments across all levels of jurisdiction, to encourage, accelerate and support the transition towards a net-zero economy.

In this regard, transparency for the NDC revision process becomes indispensable to ensure high ambition and enable effective implementation. The NDC target needs to be communicated in a clear and understandable way in order to ensure clarity, transparency and understanding of the NDC.

This assessment provides a detailed analysis of the existing NDC and highlights the opportunities for a transparent and enhanced updated NDC, based on the requirements set out in the Paris Agreement.

Canada has numerous opportunities to enhance the clarity, transparency, and understanding of its revised NDC – which we expect in 2021 – based on Annex to 4/CMA.1 of the Paris Agreement. Key additions include: rationale for the NDC being fair and ambitious, details on accounting methodology including for land use emissions, and more explicit information on targets and the process of NDC development.

From a political perspective, Canada's leadership is more important than ever. By raising its target in the updated NDC and increasing its transparency, Canada would send an important signal to other major emitters, would underline its position as a key international player and would set an example for other countries.

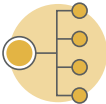




Canada's current NDC target





Reducing greenhouse gas emissions by
30%
below 2005 levels by 2030

An assessment of the NDC target can be found in the Climate Transparency Report: www.climate-transparency.org
A detailed analysis is provided by the Climate Action Tracker: www.climateactiontracker.org

To enhance the transparency of the NDC Update, Canada should implement the following key recommendations (further information on the recommendations can be drawn from the detailed assessment below):

ICTU Category	Current NDC	Room for improvements for NDC Update
 Reference point	<ul style="list-style-type: none"> No information provided on circumstances under which the Party may update the values of the reference indicators. 	<ul style="list-style-type: none"> Provide information on circumstances under which values of the reference indicators may be updated.
 Time frame	<ul style="list-style-type: none"> The “end year” of the target is defined as 2030, implying a ten-year timeframe. Neither the timeframe, nor the implementation period, are explicitly stated. 	<ul style="list-style-type: none"> Provide timeframe and implementation period of NDC. Provide explicit information on whether target is single- or multi-year target.
 Scope and Coverage	<ul style="list-style-type: none"> Does not explicitly provide information on coverage of sector and carbon pools (in terrestrial ecosystems). The NDC does not mention previous commitments or make any comparisons concerning which sectors were included. 	<ul style="list-style-type: none"> Provide explicit information on coverage of sectors and carbon pools covered. Mention previous commitments, incl. comparisons on included sectors.
 Planning process	<ul style="list-style-type: none"> Some information is provided on the process Canada underwent to develop its NDC. 	<ul style="list-style-type: none"> Provide relevant details on domestic institutional arrangements, public participation and engagement with local communities and Indigenous peoples, in a gender-responsive manner. Provide information on national circumstances or best practices / experiences developing the NDC. Provide information on whether the preparation of its NDC has been informed by the outcomes of the global stocktake.
 Assumptions, and methodological approaches	<ul style="list-style-type: none"> Canada's NDC does not explicitly contain information on how it plans to account for its NDC. No mention of age class structures in forests. There is a lack of explanation as to how the land sector emissions were arrived at (see above). 	<ul style="list-style-type: none"> Include information on how Canada plans to account for its NDC. Mention age class structures in forests. Provide additional information on how land sector emissions were arrived at.


ICTU Category	Current NDC	Room for improvements for NDC Update
 Fairness and ambition	<ul style="list-style-type: none"> • Canada does not mention the concepts of fairness or equity in its NDC, and does not mention the concept of ambition either; the NDC therefore does not make any claim to be fair or ambitious. • Canada does not mention its previous targets under either the Convention or the Kyoto Protocol, and makes no mention of progression. • There is no reference in the NDC to Canada's status as a developed country, or of any specific responsibilities which may flow from this in the context of the UNFCCC and its Paris Agreement. • No reference to Article 4.4 in the NDC. 	<ul style="list-style-type: none"> • Mention and provide details on concepts of fairness or equity as well as ambition and provide details on how the set target relates to these. • Mention previous targets (Kyoto) and provide assessment on progression. • Provide references to Article 4.4.
 Contribution to UNFCCC Article 2	<ul style="list-style-type: none"> • The Canadian NDC does not refer to Article 2 of the UNFCCC. • Canada's NDC does not refer to a year in which emissions will or have peaked. • The NDC provides no grounds to believe that its target is consistent with "rapid reductions". The NDC also does not refer to a national policy goal of net zero emissions. The NDC does situate the target within the context of the Paris Agreement's long-term temperature goal, but does not provide any grounds to do so. 	<ul style="list-style-type: none"> • Refer to article 2 of the UNFCCC. • Refer to year in which the emission are planned to peak. • Provide grounds that the target is consistent with "rapid reductions" and references to national policy goals of net-zero emissions. • Provide grounds for situating the target within the context of the Paris Agreements long-term temperature goal.

03

DETAILED ASSESSMENT

Note: The following assessment has been done on the basis of the Annex to 4/CMA.1, but it needs to be noted that Canada's NDC assessed below was submitted before the Annex was agreed.

The NDC assessed is Canada's NDC as contained in the UNFCCC's interim NDC registry, as submitted on 11 May 2017: <https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Canada%20First/Canada%20First%20NDC-Revised%20submission%202017-05-11.pdf>

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
 1. Quantifiable information on the reference point (including, as appropriate, a base year):			
(a) reference year(s), base year(s), reference period(s) or other starting point(s)	<input checked="" type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input type="radio"/> n/a	<input checked="" type="radio"/> Reference year(s) – including for reduction against a baseline <input type="radio"/> Base year(s) <input type="radio"/> Reference period(s) <input type="radio"/> other starting point(s)	Canada's NDC target is a reduction of GHG emissions by 30% compared to 2005 levels by 2030.
(b) Quantifiable information on the reference indicators, their values in the reference year(s), base year(s), reference period(s) or other starting point(s), and, as applicable, in the target year; (If 1 (c) is completed, this is not applicable)	<input checked="" type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input type="radio"/> n/a	<input checked="" type="radio"/> Quantified – in CO ₂ or CO ₂ -eq or in other emissions units <input type="radio"/> Quantified – other units <input type="radio"/> Quantifiable information provided – to quantify in CO ₂ or CO ₂ -eq <input type="radio"/> Quantifiable information provided – to quantify in other units <input type="radio"/> No quantifiable information	Base year emissions are specified in the NDC – 747 Mt CO ₂ -eq in 2005.
(c) For strategies, plans and actions referred to in Article 4, paragraph 6, of the Paris Agreement, or policies and measures as components of nationally determined contributions where paragraph 1(b) above is not applicable, Parties to provide other relevant information; (If 1(b) is completed, this is not applicable, unless a country has provided policies and measures as well)	<input type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input checked="" type="radio"/> n/a	<input type="radio"/> The country has provided reference points for relevant quantified goals for specific PAMs. <input type="radio"/> The country has provided reference point for qualitative goals for PAMs with non-quantified goals.	Not applicable.
(d) Target relative to the reference indicator, expressed numerically, for example in percentage or amount of reduction;	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> n/a	<input checked="" type="radio"/> % reduction from base year <input type="radio"/> % reduction from BAU <input type="radio"/> % intensity reduction from base year <input type="radio"/> Other	Canada's NDC target is defined as a 30% reduction against the 2005 emissions level.
(e) Information on sources of data used in quantifying the reference point(s);	<input checked="" type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input type="radio"/> n/a	Source: <input checked="" type="radio"/> GHG inventory <input type="radio"/> Reference to underlying data sources <input type="radio"/> Other studies Enhanced conformance – traceability: <input type="radio"/> Source readily found	The NDC specifies that the 2005 emissions level was sourced from Canada's 2016 National Inventory Report.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
(f) Information on the circumstances under which the Party may update the values of the reference indicators.	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> n/a	GHG inventory: <ul style="list-style-type: none"> <input type="radio"/> How values may be updated <input type="radio"/> When Baseline projections: <ul style="list-style-type: none"> <input type="radio"/> Information on whether the baseline will be updated, when and why. Intensity: <ul style="list-style-type: none"> <input type="radio"/> If, whether and how the country will update its intensity reference indicator. 	No information provided on this, but since the base year value is sourced from the NIR, recalculations will result in updating of the reference indicator.



2. Time frames and/or periods for implementation:

(a) Time frame and/or period for implementation, including start and end date, consistent with any further relevant decision adopted by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement (CMA);	<input type="radio"/> Yes <input type="radio"/> Partly <input checked="" type="radio"/> No	<input type="radio"/> Stated time frame of 5 years <input type="radio"/> Stated time frame of 10 years <input type="radio"/> Other stated time frame <input type="radio"/> Start date: 2021 <input type="radio"/> End date: 2030	The "end year" of the target is defined as 2030, implying a ten-year timeframe. Neither the timeframe, nor the implementation period, are explicitly stated.
(b) Whether it is a single-year or multi-year target, as applicable.	<input type="radio"/> Yes <input checked="" type="radio"/> No	<input type="radio"/> Single-year target <input type="radio"/> Multi-year target	Implied single year targets (end year of 2030), but information not explicitly provided.



3. Scope and coverage:

(a) General description of the target	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Key goals of the target – emissions reduction/limitation, intensity, BAU reduction, PAMs, mitigation co-benefits, in quantitative or qualitative terms. <input checked="" type="radio"/> Time frame, period of implementation, target year(s).	The Canadian target is described generally as a reduction of 30% of emissions by 2030 from 2005 levels.
(b) Sectors, gases, categories and pools covered by the nationally determined contribution, including, as applicable, consistent with Intergovernmental Panel on Climate Change (IPCC) guidelines;	<input type="radio"/> Yes <input checked="" type="radio"/> Partly <input type="radio"/> No	Sectors: <ul style="list-style-type: none"> <input type="radio"/> Energy <input type="radio"/> IPPU <input type="radio"/> AFOLU – specified separately for land use and agriculture <input type="radio"/> LULUCF (if specified separately from above) <input type="radio"/> Agriculture (if specified separately from above) <input type="radio"/> Waste <input type="radio"/> Other Categories: <ul style="list-style-type: none"> <input type="radio"/> Categories and sub-categories used for each sector above in the NDC Gases: <ul style="list-style-type: none"> <input checked="" type="radio"/> Carbon dioxide: CO₂ <input checked="" type="radio"/> Methane: CH₄ <input checked="" type="radio"/> Nitrous oxide: N₂O <input checked="" type="radio"/> Perfluorocarbons: PFCs <input checked="" type="radio"/> Hydrofluorocarbons: HFC <input checked="" type="radio"/> Sulphur hexafluoride: SF₆ <input checked="" type="radio"/> Nitrogen trifluoride: NF₃ Pools: <ul style="list-style-type: none"> <input type="radio"/> Aboveground biomass <input type="radio"/> Belowground biomass <input type="radio"/> Dead wood <input type="radio"/> Litter <input type="radio"/> Soil organic matter 	The Canadian NDC provides information on which gases are covered (all seven), and does not explicitly provide information on coverage of sectors and carbon pools, but specifies that the target covers "100% of the Canadian greenhouse gas inventory", which covers all sectors, sources and pools.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
<p>(c) How the Party has taken into consideration paragraph 31(c) and (d) of decision 1/CP.21;</p> <p>("(c) Parties strive to include all categories of anthropogenic emissions or removals in their nationally determined contributions and, once a source, sink or activity is included, continue to include it"; "(d) Parties shall provide an explanation of why any categories of anthropogenic emissions or removals are excluded");</p>	<p>● Yes</p> <p>● Partly</p> <p>● No</p>	<p>● Comparison of categories of anthropogenic emissions and removal included in previous NDC and current NDCs.</p> <p>● Explanation for the omission of any categories.</p>	The NDC does not mention previous commitments or make any comparisons concerning which sectors were included.
<p>(d) Mitigation co-benefits resulting from Parties' adaptation actions and/or economic diversification plans, including description of specific projects, measures and initiatives of Parties' adaptation actions and/or economic diversification plans.</p>	<p>● Yes</p> <p>● Partly</p> <p>● No</p> <p>● n/a</p>	<p>Economic diversification:</p> <p>● Energy Efficiency</p> <p>● Renewable energy</p> <p>● Carbon Capture and Utilization/Storage</p> <p>● Utilization of gas</p> <p>● Methane recovery and flare minimization</p> <p>● Other</p> <p>Adaptation actions with mitigation co-benefits:</p> <p>● Water and waste-water management</p> <p>● Urban planning</p> <p>● Marine Protection</p> <p>● Reduced desertification</p> <p>● Other</p> <p>Mitigation co-benefits:</p> <p>● Stated – yes / no</p> <p>● Quantified</p> <p>● In t CO₂-eq</p>	Not applicable.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
 4. Planning processes:			
(a) Information on the planning processes that the Party undertook to prepare its nationally determined contribution and, if available, on the Party's implementation plans, including, as appropriate:			
(i) Domestic institutional arrangements, public participation and engagement with local communities and indigenous peoples, in a gender-responsive manner;	<input type="radio"/> Yes <input checked="" type="radio"/> Partly <input type="radio"/> No	Domestic institutional arrangements: <ul style="list-style-type: none"> <input type="radio"/> No information provided <input checked="" type="radio"/> Some information provided <input type="radio"/> Detailed information provided Public participation and engagement: <ul style="list-style-type: none"> <input type="radio"/> No information provided <input type="radio"/> Some information provided <input type="radio"/> Detailed information provided Information on stakeholder engagement: <ul style="list-style-type: none"> <input type="radio"/> No information provided <input checked="" type="radio"/> Information on engagement with local communities provided <input checked="" type="radio"/> Information on engagement with indigenous peoples provided <input checked="" type="radio"/> Information on other stakeholder engagement provided Does the country report on whether the NDC process was conducted in a gender-responsive manner?: <ul style="list-style-type: none"> <input checked="" type="radio"/> No information provided <input type="radio"/> Some information provided <input type="radio"/> Detailed information provided 	Some information is provided on the process Canada underwent to develop its NDC (which was submitted in 2017 and is an update on its INDC submitted in 2015). A brief description of the process of developing the Pan-Canadian Framework on Clean Growth and Climate Change, on which the NDC is based, is provided, including a reference to extensive stakeholder consultation, including engaging indigenous peoples, but no details on the process are provided.
((i).cont.) ..if available, information provided on a Party's implementation plans;		Implementation plans: <ul style="list-style-type: none"> <input type="radio"/> No information provided <input type="radio"/> Some information provided Enhanced conformance: <ul style="list-style-type: none"> <input checked="" type="radio"/> Detailed information on how implementation plans will achieve the objectives of its NDC. 	Canada's NDC provides a detailed description of the Pan-Canadian Framework on Clean Growth and Climate Change, which will be the basis for implementing their NDC, and quantifies the likely mitigation outcome of key measures in its NDC.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
(ii) Contextual matters, including, inter alia, as appropriate:	<input type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No	a. Inclusion of relevant national circumstances, such as geography, climate, economy, sustainable development and poverty eradication <input type="radio"/> No information provided <input type="radio"/> Some information provided <input type="radio"/> Detailed information provided b. Reporting on best practices and experience related to the preparation of the nationally determined contribution; Best practices and experience shared: <input type="radio"/> None <input type="radio"/> Some <input type="radio"/> Many c. Information provided on other contextual aspirations and priorities acknowledged when joining the Paris Agreement: <input type="radio"/> Yes <input type="radio"/> No	No information is provided on national circumstances or best practices / experiences developing the NDC.
(b) Specific information applicable to Parties, including regional economic integration organizations and their member States, that have reached an agreement to act jointly under Article 4, paragraph 2, of the Paris Agreement, including the Parties that agreed to act jointly and the terms of the agreement, in accordance with Article 4, paragraphs 16–18, of the Paris Agreement;	<input type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input type="radio"/> n/a	<input type="radio"/> Terms of the agreement to act jointly. <input type="radio"/> Emission level allocated to each Party within the relevant time period Enhanced conformance: <input type="radio"/> Detailed description of the basis for burden-sharing within the REIO.	Not applicable to Canada.
(c) How the Party's preparation of its nationally determined contribution has been informed by the outcomes of the global stocktake, in accordance with Article 4, paragraph 9, of the Paris Agreement;	<input type="radio"/> Yes <input type="radio"/> No	Information on how the previous global stock-take (GST) informed the NDC: <input type="radio"/> Yes <input type="radio"/> No Enhanced conformance: <input type="radio"/> Consideration of the Secretariat's synthesis paper in the 2020 update.	No information included on this.
(d) Each Party with a nationally determined contribution under Article 4 of the Paris Agreement that consists of adaptation action and/or economic diversification plans resulting in mitigation co-benefits consistent with Article 4, paragraph 7, of the Paris Agreement to submit information on:			
(i) How the economic and social consequences of response measures have been considered in developing the nationally determined contribution;	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> n/a	<input type="radio"/> The NDC contains information on how the economic and social consequences of response measures have been considered in developing the NDC.	Not applicable.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
(ii) Specific projects, measures and activities to be implemented to contribute to mitigation co-benefits, including information on adaptation plans that also yield mitigation co-benefits, which may cover, but are not limited to, key sectors, such as energy, resources, water resources, coastal resources, human settlements and urban planning, agriculture and forestry; and economic diversification actions, which may cover, but are not limited to, sectors such as manufacturing and industry, energy and mining, transport and communication, construction, tourism, real estate, agriculture and fisheries.	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> n/a	<p>The NDC contains information on specific projects, measures and activities for adaptation which mitigation co-benefits in:</p> <ul style="list-style-type: none"> <input type="radio"/> Energy resources <input type="radio"/> Water resources <input type="radio"/> Coastal resources <input type="radio"/> Human settlements <input type="radio"/> Urban planning <input type="radio"/> Agriculture and forestry <input type="radio"/> Other <p>Specific projects, measures and activities for economic diversification actions in sectors:</p> <ul style="list-style-type: none"> <input type="radio"/> Manufacturing and industry <input type="radio"/> Energy and mining <input type="radio"/> Transport and communication <input type="radio"/> Construction, tourism <input type="radio"/> Real estate <input type="radio"/> Agriculture and fisheries <input type="radio"/> Other 	Not applicable.



5. Assumptions and methodological approaches, including those for estimating and accounting for anthropogenic greenhouse gas emissions and, as appropriate, removals:

(a) Assumptions and methodological approaches used for accounting for anthropogenic greenhouse gas emissions and removals corresponding to the Party's nationally determined contribution, consistent with decision 1/CP.21, paragraph 31, and accounting guidance adopted by the CMA;	<input type="radio"/> Yes <input checked="" type="radio"/> No	<ul style="list-style-type: none"> <input type="radio"/> A general description of the accounting approach. <input type="radio"/> Detailed description of how the country will account for the land sector in its NDC. 	Canada's NDC does not explicitly contain information on how it plans to account for its NDC. It provides some information on how it plans to account for the land sector, but notes that it is still "examining its approach to accounting in the land use, land use change and forestry sector".
(b) Assumptions and methodological approaches used for accounting for the implementation of policies and measures or strategies in the nationally determined contribution;	<input type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input checked="" type="radio"/> n/a	<ul style="list-style-type: none"> <input type="radio"/> No information provided <input type="radio"/> Some information provided <input type="radio"/> Detailed information provided 	Not applicable.
(c) If applicable, information on how the Party will take into account existing methods and guidance under the Convention to account for anthropogenic emissions and removals, in accordance with Article 4, paragraph 14, of the Paris Agreement, as appropriate;	<input type="radio"/> Yes <input type="radio"/> Partly <input checked="" type="radio"/> No	<ul style="list-style-type: none"> <input type="radio"/> The country has specified that they will use existing methods and guidance. <input type="radio"/> The country has specified that they will not use existing methods and guidance. <input checked="" type="radio"/> The country has not provided any information on this. 	No information provided on this.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
(d) IPCC methodologies and metrics used for estimating anthropogenic greenhouse gas emissions and removals;	<ul style="list-style-type: none"> ● Yes ● Partly ● No ● n/a 	<ul style="list-style-type: none"> ● The country has specified in their NDC whether they have used 1996 or 2006 IPCC guidelines for estimating emissions and removals, and/or other IPCC guidance. ● The country has specified which GWP values it is using (from which IPCC assessment report). ● The NDC target is not expressed in GHG emissions terms, and contains no relevant information on GHG emissions (not applicable). 	Canada states in its NDC that it will use the IPCC 2006 guidelines and the IPCC 2013 Supplementary Methods on Wetlands, and 100-year GWP values from the IPCC's AR4.
(e) Sector-, category- or activity-specific assumptions, methodologies and approaches consistent with IPCC guidance, as appropriate, including, as applicable:			
(i) Approach to addressing emissions and subsequent removals from natural disturbances on managed lands:	<ul style="list-style-type: none"> ● Yes ● No ● n/a 	<ul style="list-style-type: none"> ● Approach to addressing emissions and removals on managed lands reported in the NDC. ● No information included in the NDC. 	Canada states that it will exclude the impacts of natural disturbances, but provides no further details.
(ii) Approach used to account for emissions and removals from harvested wood products;	<ul style="list-style-type: none"> ● Yes ● No ● n/a 	<ul style="list-style-type: none"> ● Approach to harvested wood products reported. ● No information included in the NDC. 	Canada will use the production approach to account for harvested wood products.
(iii) Approach used to address the effects of age-class structure in forests;	<ul style="list-style-type: none"> ● Yes ● No ● n/a 	<ul style="list-style-type: none"> ● Approach to age-class structure in forests reported. ● No information included in the NDC. 	No mention of age class structures in forests.
(f) Other assumptions and methodological approaches used for understanding the nationally determined contribution and, if applicable, estimating corresponding emissions and removals, including:			
(i) How the reference indicators, baseline(s) and/or reference level(s), including, where applicable, sector-, category- or activity-specific reference levels, are constructed, including, for example, key parameters, assumptions, definitions, methodologies, data sources and models used;	<ul style="list-style-type: none"> ● Yes ● Partly ● No ● n/a 	<p>If the Party has chosen a mitigation target relative to a reference level, including emissions reference levels, base years, intensity targets etc:</p> <ul style="list-style-type: none"> ● Method for estimating the reference level. ● Sources of data, as applicable. <p>If the Party has chosen a mitigation target relative to a baseline scenario:</p> <ul style="list-style-type: none"> ● Base year ● Key assumptions (GDP, population, etc) ● Methodology (analytical tool) and ● Resulting projection at least up to the end year ● Data sources 	Canada's reference level (2005 emissions) is "based on" the 2016 National Inventory Report. There is a lack of explanation as to how the land sector emissions were arrived at (see above).


Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
(ii) For Parties with nationally determined contributions that contain non-greenhouse-gas components, information on assumptions and methodological approaches used in relation to those components, as applicable;	<input type="radio"/> Yes <input type="radio"/> Partly <input type="radio"/> No <input checked="" type="radio"/> n/a	Assumptions and methodologies for non-GHG components: <ul style="list-style-type: none"> <input type="radio"/> Quantified in a manner where mitigation outcomes are clear. <input type="radio"/> Quantifiable, but requiring assumptions to understand mitigation outcomes. <input type="radio"/> Not quantifiable. 	Not applicable.
(iii) For climate forcers included in nationally determined contributions not covered by IPCC guidelines, information on how the climate forcers are estimated;	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> n/a	<ul style="list-style-type: none"> <input type="radio"/> The NDC includes black carbon, and includes information on how it is estimated. <input type="radio"/> The NDC includes other short-lived climate forcers, and information on how these are estimated. 	Canada mentions that it is “taking action” on black carbon in the context of its NDC but this does not comprise part of Canada’s overall target.
(iv) Further technical information, as necessary;	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> n/a	Further information provided: <ul style="list-style-type: none"> <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> Not Applicable 	Not applicable. Canada’s NDC would be sufficiently transparent if information specified in other provisions were provided.
(g) The intention to use voluntary cooperation under Article 6 of the Paris Agreement, if applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No	<ul style="list-style-type: none"> <input type="radio"/> Information on whether the country intends to participate in Article 6 activities during the NDC implementation period. <input type="radio"/> Information on whether the country intends to use ITMOs to achieve its NDC. Enhanced conformance: <ul style="list-style-type: none"> <input type="radio"/> The extent to which the target depends on use of ITMOs. 	Limited information is provided on this – the NDC states that “Canada will explore the use of international mechanisms in the overall effort to achieve its 2030 target”.



6. How the Party considers that its nationally determined contribution is fair and ambitious in the light of its national circumstances:

(a) How the Party considers that its nationally determined contribution is fair and ambitious in the light of its national circumstances;	Fair <ul style="list-style-type: none"> <input type="radio"/> Yes <input checked="" type="radio"/> No Ambitious <ul style="list-style-type: none"> <input type="radio"/> Yes <input checked="" type="radio"/> No 	<ul style="list-style-type: none"> <input type="radio"/> Inclusion of grounds for why the NDC target is fair. <input type="radio"/> Inclusion of grounds for why the NDC target is ambitious. 	Canada does not mention the concepts of fairness or equity in its NDC, and does not mention the concept of ambition either; the NDC therefore does not make any claim to be fair or ambitious.
b) Fairness considerations, including reflecting on equity;	<input type="radio"/> Yes <input type="radio"/> Partly <input checked="" type="radio"/> No	The country has provided in its NDC: <ul style="list-style-type: none"> <input type="radio"/> References to equity analyses by international experts. <input type="radio"/> References to equity analyses by in-country experts. <input type="radio"/> References to indicators found in equity literature. <input type="radio"/> References to the application of preferred equity indicators to other countries. 	No mention of fairness or equity in the NDC.

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
<p>(c) How the Party has addressed Article 4, paragraph 3, of the Paris Agreement; ("Each Party's successive nationally determined contribution will represent a progression beyond the Party's then current nationally determined contribution and reflect its highest possible ambition, reflecting its common but differentiated responsibilities and respective capabilities, in the light of different national circumstances");</p>	<p>Progression</p> <ul style="list-style-type: none"> ● Yes ● Partly ● No <p>Ambition</p> <ul style="list-style-type: none"> ● Yes ● Partly ● No <p>CBDRRRC</p> <ul style="list-style-type: none"> ● Yes ● Partly ● No 	<p>Progression:</p> <ul style="list-style-type: none"> ● The NDC contains a statement that the mitigation target in NDC is more stringent than the country's previous NDC or emissions target under the Convention or Kyoto Protocol. ● If a developing country, the target type has changed to an economy-wide absolute emissions target, and/or more sectors have been included in the target. ● An assessment of progression is provided, with reference to mitigation potential analyses. <p>Highest possible ambition, referring to 6 (a) above:</p> <ul style="list-style-type: none"> ● A reference to ambition in terms of the 1.5 °C limit. ● A reference to ambition in terms of the "well below 2 °C" limit. ● A reference to a national mitigation potential analysis. ● An explanation in terms of national circumstances for the level of ambition chosen, with reference to the national mitigation potential analysis. <p>Common but differentiated responsibilities and respective capabilities, in the light of different national circumstances (CBDRRRC-ILONDC):</p> <ul style="list-style-type: none"> ● Explanation of ambition in terms of common but responsibilities and respective capabilities. ● Explanation of ambition in terms of national circumstances. ● None. 	<p>Canada does not mention its previous targets under either the Convention or the Kyoto Protocol, and makes no mention of progression. The NDC does not discuss the question of ambition. The NDC does situate its contribution within the context of the Paris Agreement temperature goals. There is no reference in the NDC to Canada's status as a developed country, or of any specific responsibilities which may flow from this in the context of the UNFCCC and its Paris Agreement.</p>
<p>(d) How the Party has addressed Article 4, paragraph 4, of the Paris Agreement; ("Developed country Parties should continue taking the lead by undertaking economy-wide absolute emission reduction targets. Developing country Parties should continue enhancing their mitigation efforts, and are encouraged to move over time towards economy-wide emission reduction or limitation targets in the light of different national circumstances");</p>	<ul style="list-style-type: none"> ● Yes ● No 	<ul style="list-style-type: none"> ● Developed country NDCs – reference to leadership via economy-wide absolute emission reduction targets. ● Developing country NDCs – reference to enhancing their mitigation efforts. ● Developing country NDCs – timing to move to an economy-wide emission reduction or limitation target indicated. 	<p>No reference to Article 4.4 in the NDC.</p>
<p>(e) How the Party has addressed Article 4, paragraph 6, of the Paris Agreement. ("The least developed countries and small island developing States may prepare and communicate strategies, plans and actions for low greenhouse gas emissions developing reflecting their special circumstances");</p>	<ul style="list-style-type: none"> ● Yes ● No ● n/a 	<p>NDCs of LDCs and SIDS:</p> <ul style="list-style-type: none"> ● Fairness addressed in strategies, plans and actions communicated. ● Ambition addressed in strategies, plans and actions communicated. ● Neither of the above. 	<p>Not applicable.</p>

Element of ICTU	Included in NDC	Category of assessment	Information in NDC and assessment
 7. How the nationally determined contribution contributes towards achieving the objective of the Convention as set out in its Article 2:			
(a) How the nationally determined contribution contributes towards achieving the objective of the Convention as set out in its Article 2;	<input type="radio"/> Yes <input type="radio"/> Partly <input checked="" type="radio"/> No	<input type="radio"/> The NDC refers to Article 2 of the Convention in relation to mitigation ambition. <input type="radio"/> The NDC contains information on how it contributes to the reduction of emissions in terms of Article 2 of the Convention. <input checked="" type="radio"/> The NDC contains information on how natural sinks are being maintained and enhanced.	The Canadian NDC does not refer to Article 2 of the UNFCCC.
(b) How the nationally determined contribution contributes towards Article 2, paragraph 1(a), and Article 4, paragraph 1, of the Paris Agreement.	<input type="radio"/> Yes <input checked="" type="radio"/> Partly <input type="radio"/> No	<input type="radio"/> The NDC contains a reference to the peaking year – either when it occurred or when it is projected to be. <input type="radio"/> For countries whose emissions have peaked, the NDC provides grounds for the NDC target being consistent with “rapid reductions thereafter”. <input type="radio"/> The NDC contains a reference to a national policy goal of net zero emissions, and by which year. <input checked="" type="radio"/> The NDC contains a clear link between the Paris Agreement’s Article 2.1(a) and the country’s NDC.	Canada’s NDC does not refer to a year in which emissions will or have peaked. This is implied in Figure 1 in its NDC, assuming that the NDC is implemented as implied in the Figure. The NDC provides no grounds to believe that its target is consistent with “rapid reductions”. The NDC also does not refer to a national policy goal of net zero emissions. The NDC does situate the target within the context of the Paris Agreement’s long-term temperature goal, but does not provide any grounds to do so.

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For further details please refer to the methodology which can be downloaded under www.climate-transparency.org.



Canadian Institute for Climate Choices brings together experts from diverse disciplines to undertake rigorous research, conduct insightful analysis, and engage a range of stakeholders and rightsholders to bring clarity to the climate challenges and transformative policy choices ahead for Canada.

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