

Common Template

Party	Japan
Date of Submission	July 20, 2016

Assumptions and Conditions Related to Target

Base Year	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
% Reduction from Base Year	<u>3.8% or more</u>	
% Reduction from 1990 (if base year other than 1990)	—	
Period for Reaching Target	<input checked="" type="checkbox"/> by 2020	<input type="checkbox"/> by Other (specify):
Inventory Methodology Used	<input checked="" type="checkbox"/> IPCC 2006 Guidelines <input type="checkbox"/> Other (specify):	

Coverage of Greenhouse Gases

<i>Gases Covered</i>	<i>Base Year for Each Gas (if Different)</i>	
<input checked="" type="checkbox"/> CO ₂	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> CH ₄	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> N ₂ O	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> HFCs	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> PFCs	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> SF ₆	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input checked="" type="checkbox"/> NF ₃	<input type="checkbox"/> 1990	<input checked="" type="checkbox"/> other (specify): 2005
<input type="checkbox"/> Other (specify):	<input type="checkbox"/> 1990	<input type="checkbox"/> other (specify):

Global Warming Potential Values (GWP)

<input type="checkbox"/> As Contained in Decision xx/CP.17 ²	<input checked="" type="checkbox"/> other (specify): As contained in Decision 24/CP.19
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Coverage of Sectors

<input checked="" type="checkbox"/> Energy	<input checked="" type="checkbox"/> Land use, land-use change and forestry
<input checked="" type="checkbox"/> Industrial Processes and Product use	<input checked="" type="checkbox"/> Waste
<input checked="" type="checkbox"/> Agriculture	<input checked="" type="checkbox"/> Other (specify): Transport

Emission values and anticipated use of emissions/removals from Land use, land-use change and forestry and carbon credits from market-based mechanisms to clarify the target
(in kt CO₂ equivalent)

A	Emissions excluding LULUCF in base year	1,396,510.56
B	Emissions/removals from LULUCF included in base year ³	

C	Emissions in base year used for calculation of target	1,396,510.56
D	Emissions excluding LULUCF in target year	≤1,390,343.16*
E	Anticipated emissions/removals from LULUCF included in target year ³	-46,900.00
F	Anticipated use of carbon credits from market-based mechanisms ⁴	NE
G	Anticipated carry-over of carbon credits ⁴	NE

* The value "D" includes the effect of "F."

Expected Emission Reductions in kt CO₂ equivalent

Relative to Base Year :
<i>should be estimated as</i> = - [C - (D + E - F - G)]
= NE
Relative to 1990 (if different to base year) :
=

² Revision of the UNFCCC reporting guidelines on annual inventories for Parties included in Annex I to the Convention

³ Include emissions as positive values and removals as negative values

⁴ Include as positive values

Role of Land Use, Land-Use Change and Forestry

<input type="checkbox"/> Comprehensive land-based
<input checked="" type="checkbox"/> Activity based <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Afforestation/Reforestation <input checked="" type="checkbox"/> Deforestation <input checked="" type="checkbox"/> Forest management <input checked="" type="checkbox"/> Cropland management <input checked="" type="checkbox"/> Grazing land management <input type="checkbox"/> Wetland drainage and rewetting <input checked="" type="checkbox"/> Revegetation <input type="checkbox"/> Other (specify):

Carbon Credits from Market-Based Mechanisms

Mechanism Used	
<input type="checkbox"/> Clean Development Mechanism	<input type="checkbox"/> Carry-over ¹
<input type="checkbox"/> Joint Implementation	<input type="checkbox"/> REDD
<input type="checkbox"/> International Emission Trading	<input checked="" type="checkbox"/> Other, (specify): Joint Crediting Mechanism
<i>(ie under Article 17 of the Kyoto Protocol)</i>	
Total Contribution from Mechanisms Used	% of Overall Target ____ <u>NE</u> %
Available information on the estimated contribution of individual mechanisms to the achievement of the target	

¹ Japan does not, at this stage, intend to account unused AAUs, of which it has requested carry-over, towards either its 2020 or 2030 target.

There's no international rule at this moment that guides Japan how to deal with such AAUs. As such, Japan has not yet determined how to address the matter, with the need for taking into account future international discussions in this regard.

Japan intends to address this matter, taking into account the future international discussions.

Assumptions and Conditions Related to Ambition of the Pledge

Assumed change in emissions per capita, including change in population over the period

Population expected to decrease from 127,768 thousand in 2005 to 124,100 thousand people in 2020. The emissions per capita are expected to decrease from 10.93 tons in 2005 to 10.83 tons in 2020, or 1.0% reduction in per capita emissions.*

Source :

2005 population : "Population Census" Ministry of Internal Affairs and Communications

2020 population : "Population Projection for Japan (estimated January 2012) 'Medium Projection'" by National Institute of Population and Social Security Research

Assumed change in emissions per gross domestic product (GDP), including change in GDP over the period

Real GDP expected to grow from 507.16 trillion yen in 2005 to 581.0 trillion yen in 2020. The emissions per GDP are expected to decrease from 2.75 tons per million yen in 2005 to 2.31 tons per million yen in 2020, or 16.0% reduction in per GDP emissions.*

Source :

2005 GDP : "Second Preliminary Quarterly Estimates of National Accounts for October to December 2015" by the Cabinet Office

2020 GDP : "Second Preliminary Quarterly Estimates of National Accounts for October to December 2015" by the Cabinet Office, "Economic and Fiscal Projections for Medium to Long Term Analysis" by the Cabinet Office (submitted to Council on Economic and Fiscal Policy on January 21, 2016)

Estimated emission reductions from BAU or another baseline in kt CO₂ eq

Not estimated.

Description of any mitigation policies, legislation and institutional arrangements

"The Plan for Global Warming Countermeasures" is Japan's national plan for global warming prevention, based on the Article 8.1 of "Act on Promotion of Global Warming Countermeasures". It was decided by the Cabinet on May 13, 2016 in order to promote global warming countermeasures comprehensively and strategically. It includes reduction targets in 2020 and 2030, presents policies & measures by gas, and clarifies the pathway to these targets. The plan will be revised every three years as necessary, considering the status of GHG emissions and removal, and other circumstances in Japan.

In the Government, related ministries and agencies will closely cooperate with each other in order to address global warming, led by the "Global Warming Prevention Headquarters" chaired by the Prime Minister and all Cabinet ministers as member, and the "Directors' Meeting of the Global Warming Prevention Headquarters" as a ministries' director-general level meeting.

For regions, relevant ministries and agencies will work together to back up initiatives to address global warming by local governments by utilizing the "Regional Committees for Promoting Energy and Global Warming Countermeasures" established in each regional block, in cooperation with local governments, Regional Councils on Global Warming Countermeasures.

Other relevant information, including on the potential to increase the level of ambition, e.g. through enhanced implementation of domestic PaMs and full access to broad and efficient carbon markets

The reduction exceeding the level of 3.8% takes into account the emission reduction effect resulting from nuclear power, the safety of which is confirmed by the Nuclear Regulation Authority.

Assumptions on actions by other Parties domestically and at international level

No such assumptions.

*There is a possibility that the emissions per capita, emissions per GDP, and emissions of 2005 may change in the future as a result of recalculation of the annual GHG inventory