

Shown: 2025 & 2030: Min/max of unconditional and conditional targets

Paris Agreement ratified on: 08/11/2016

# Japan

Per-Capita Emissions in 2030 rel. 2015 (excl. LULUCF): **-14%**

NDC 2025

NDC 2030

2015 World Rank

2025 World Rank

2030 World Rank

Share of World Emissions excl. LULUCF (Rank):

2.7% #6

2.1% #7

1.9% #10

Per-Capita Emissions (tCO<sub>2</sub>eq/cap)

10.1t #37

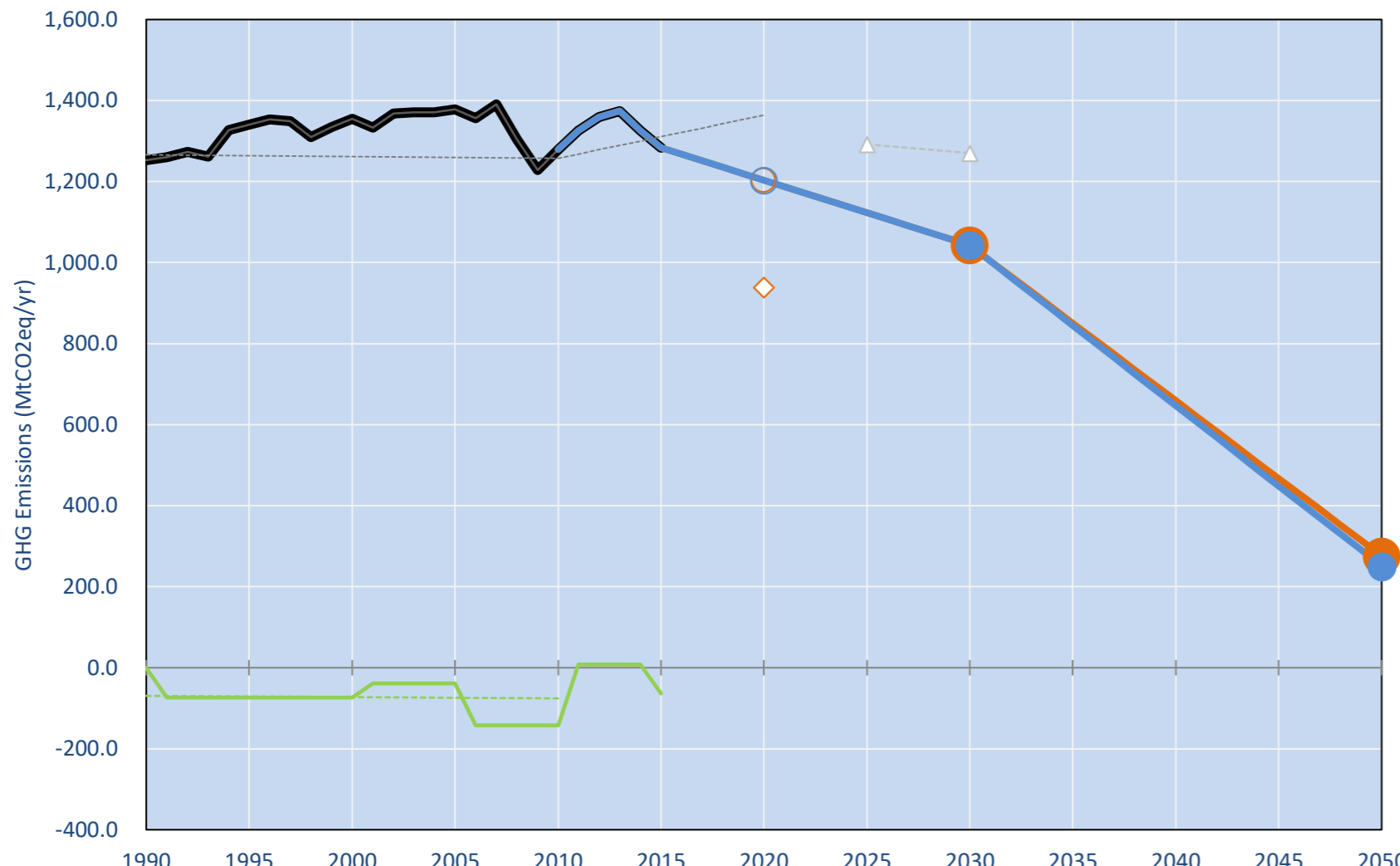
9.1t #39

8.7t #41

NDC: Level of reduction of 26% by fiscal year (FY) 2030 compared to FY 2013. (GWP AR4)

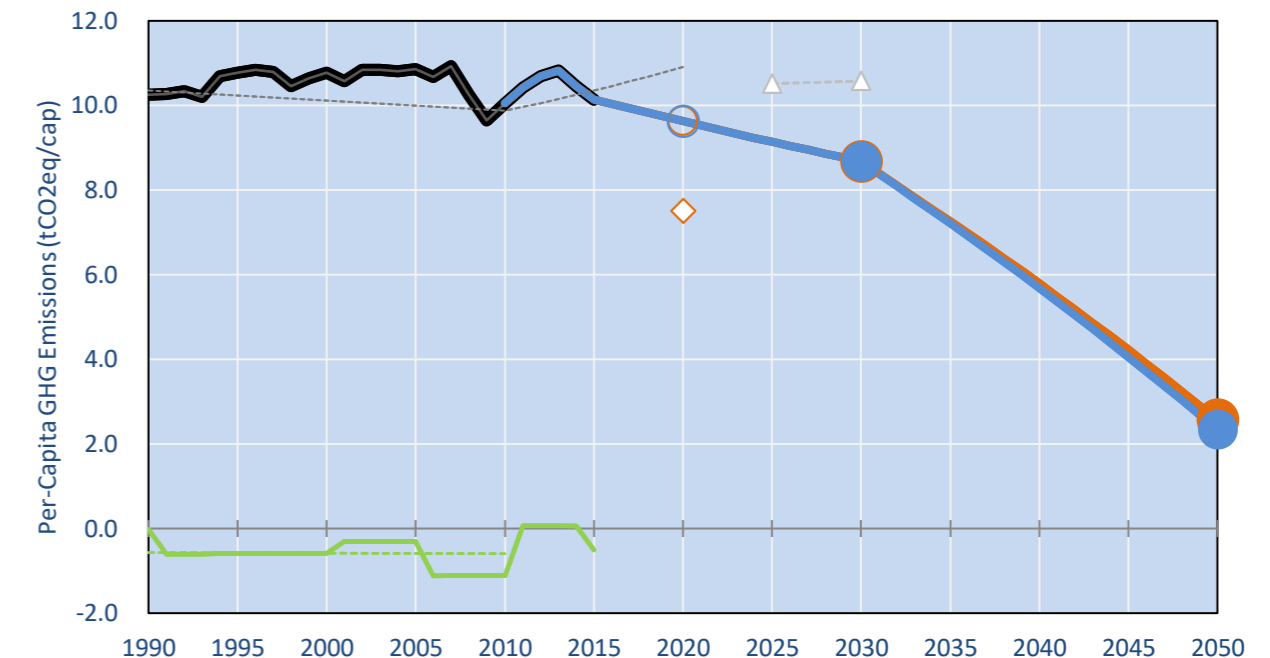
INDC Submitted: 17/07/2015

## GHG Emissions

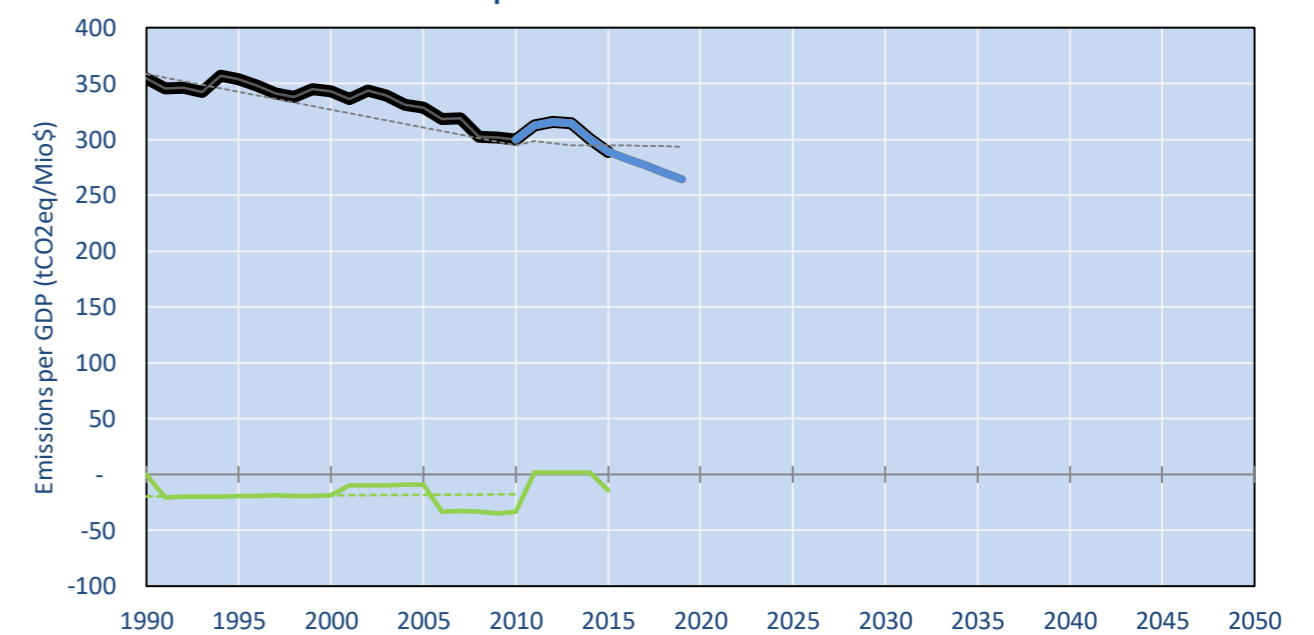


- Reference Total GHG excl. LULUCF
- Historical Covered Emissions, incl. LULUCF, if covered.
- LOW INDC Covered Emissions, incl. LULUCF if covered
- LOW INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH INDC Covered Emissions, incl. LULUCF
- HIGH INDC Covered + Non-Covered Emissions, excl. LULUCF
- HIGH Cancun Pledges
- WM Total excl. LULUCF Projections
- WM LULUCF Projections
- Former Japan 2020 Pledge
- Regional/Gas-specific BAU
- Not-covered GHG excl. LULUCF (Region Projection)
- Reference LULUCF Emissions
- LOW INDC Levels
- LOW INDC Covered Emissions, excl. LULUCF
- HIGH INDC Levels
- HIGH INDC Covered Emissions, excl. LULUCF
- LOW Cancun Pledges

## Per-Capita Emissions



## GHG Emissions per GDP



## 2015 Total GHG Emissions excl. LULUCF

By Gas:

CO<sub>2</sub> 95.4%  
CH<sub>4</sub> 2.8%  
N<sub>2</sub>O 1.7%  
F-gases 0.2%

By Sector:

Cat. 1 Energy 91.5%  
Cat. 2, 3, 6 & 7 5.6%  
Cat 4. Agriculture 2.8%  
F-gases 0.2%

## GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
(MtCO <sub>2</sub> eq/yr in GWP AR5)						low	high	low	high	low	high
Assumed LULUCF Accounting Credits (-)/Debits (+)	-	-	-	-	-	11	11	15	15	15	15
NDC covered LULUCF Emissions	-	-	-	-	-	-	-	-	-	-	-
NDC covered Emissions excl. LULUCF	1,253	1,355	1,378	1,280	1,284	1,203	1,203	1,123	1,123	1,042	1,042
Total GHG excl. LULUCF	1,253	1,355	1,378	1,280	1,284	1,203	1,203	1,123	1,123	1,042	1,042
Total GHG incl. LULUCF	1,251	1,281	1,339	1,137	1,221	1,203	1,203	1,060	1,060	979	979

## Relative GHG Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Relative 1990	100%	108%	110%	102%	103%	96%	96%	90%	90%	83%	83%
Relative 2000	92%	100%	102%	94%	95%	89%	89%	83%	83%	77%	77%
Relative 2005	91%	98%	100%	93%	93%	87%	87%	81%	81%	76%	76%
Relative 2010	98%	106%	108%	100%	100%	94%	94%	88%	88%	81%	81%
Relative 2015	98%	106%	107%	100%	100%	94%	94%	87%	87%	81%	81%

## Per-Capita Emissions

	1990	2000	2005	2010	2015	2020		2025		2030	
Total excl. LULUCF						low	high	low	high	low	high
Population (Mio)	122	126	127	127	127	125	125	123	123	120	120
Per-Capita Emissions (tCO <sub>2</sub> eq/cap)	10.2	10.8	10.9	10.1	10.1	9.6	9.6	9.1	9.1	8.7	8.7
Relative 1990	100%	105%	106%	98%	99%	94%	94%	89%	89%	85%	85%
Relative 2000	95%	100%	101%	93%	94%	89%	89%	85%	85%	80%	80%
Relative 2005	94%	99%	100%	93%	93%	89%	89%	84%	84%	80%	80%
Relative 2010	102%	107%	108%	100%	101%	96%	96%	91%	91%	86%	86%
Relative 2015	101%	106%	107%	99%	100%	95%	95%	90%	90%	86%	86%

## Data Sources:

Cat1_CO2	PRIMAPHIST17	Cat5A1_CO2	UNFCCC CRF + Nat. Comms.
Cat2367_CO2	PRIMAPHIST17	Cat5A2_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CO2	PRIMAPHIST17	Cat5LtoNonFL_CO2	UNFCCC CRF + Nat. Comms.
Cat5_CO2	PRIMAPHIST17	Cat5GCMCMWWM_C	UNFCCC CRF + Nat. Comms.
Cat1_CH4	PRIMAPHIST17	Cat5A1ForestFires	UNFCCC Cat5 + EDGAR(IPCC Database)
Cat2367_CH4	PRIMAPHIST17	Cat5A1HWP_CO2	UNFCCC CRF + Nat. Comms.
Cat4_CH4	PRIMAPHIST17	Cat5bisA_CO2	UNFCCC CRF + NATCOMM.
Cat5_CH4	PRIMAPHIST17	Cat5bisB_CO2	UNFCCC CRF + NATCOMM.
Cat1_N2O	PRIMAPHIST17	Cat5bisC_CO2	UNFCCC CRF + NATCOMM.
Cat2367_N2O	PRIMAPHIST17	Cat5bisD_CO2	UNFCCC CRF + NATCOMM.
Cat4_N2O	PRIMAPHIST17	Cat5bisE_CO2	UNFCCC CRF + NATCOMM.
Cat5_N2O	PRIMAPHIST17	PRO_WM_Cat5_G	UNFCCC Annex I Reports
Cat0_HFCs	PRIMAPHIST17	Metric	GWP AR5
Cat0_PFCs	PRIMAPHIST17		
Cat0_SF6	PRIMAPHIST17		
Population	UN 2015 Population Projections MEDIUM		
GDP	IMF WEO 2015, PPP adjusted GDP, constant 2009 prices...		
	IPCC WG3 Scenario IMAGE   AMPERE2-550-FullTech-HST		
	PRIMAPHIST16 description: www.pik-potsdam.de/primap-live/primap-hist/		
	Gratefully acknowledged in particular: PRIMAP, CAIT, CDIAC, EDGAR, IPCC, IEA, UNEP Gap Team, AMPERE Team and comments on earlier versions, in particular by Giacomo Grassi. Errors and misjudgements are our own. Malte Meinshausen & Ryan Alexander; The "Fiji COP23" Edition was enabled through support via the BMUB project UM14 41 4060		
	This Factsheet is available at www.climatecollege.unimelb.edu.au/indc-factsheets. Check out as well: www.climateactiontracker.org, www.mitigation-contributions.org, cait.wri.org, infographics.pbl.nl/indc, live.primap.org, www.unep.org/climatechange/pledgepipeline, and our twitter feed @ClimateCollege		
		climatecollege.unimelb.edu.au	
		AUSTRALIAN-GERMAN CLIMATE & ENERGY COLLEGE	

## Various 'fair' contributions for a global 'least-cost' 2°C path (total incl. LULUCF):

2025 rel. 2010:		2030 rel. 2010:	
LEADER	-47%	LEADER	-62%
CDC	-39%	CDC	-50%
ECPC50	-34%	ECPC50	-45%
ECPC90	-38%	ECPC90	-50%
GDR	-79%	GDR	-97%
INDC HIGH	-7%	INDC HIGH	-14%
INDC LOW	-7%	INDC LOW	-14%

## More info on www.mitigation-contributions.org

### "Fair" contributions for a global 'least-cost' 2°C track:

LEADER Leader  
CDC Common-but-diff. per-cap. convergence  
ECPC50 Eq. cum. Per-capita since 1950  
ECPC90 Eq. cum. Per-capita since 1990  
GDR Greenhouse Development Rights  
#N/A No available data