

UPDATES ON THE PHILIPPINES' 75% NATIONALLY DETERMINED CONTRIBUTION (NDC) TARGET: How industries are to contribute in delivering Philippines' emission reduction targets

JEROME E. ILAGAN Chief, Policy Research and Development Division Climate Change Commission

(C)	NDC Registry	HOME	ALL NDCs NDC Information - FA	a	â Login Ø
1-4-4-				RUIQ O	
PHILIP	PINES				
*					
	FIRST ND	c			
		Title		Language	Submission date
	NDC	🖹 Philippines First	NDC	English	15/04/2021
			CLOSE PANEL ×		
	Contact		Links	This site	
	UNFCCC secretariat UN Campus Platz der Vereinten Na	ationen 1	Official UNFCCC website Disclaimer	Home All NDC Frequer	s ntly asked questions

194 Parties have submitted their first NDCs**13** Parties have submitted their second NDCs*

*as of 11 Novembert 2021

SALIENT FEATURES OF THE PH NDC

- Communicated to the UNFCCC on 15 April 2021
- Peaking Year (aspirational): 2030
- 2020-2030 cumulative BAU emission: 3,340.3 MtCO₂e
- The PH remains steadfast in achieving zero percent poverty by 2040 and sustainable economic growth
- Covered sectors (Mitigation): Agriculture, Waste, Industry, Transportation, Energy



194 Parties have submitted their first NDCs**15** Parties have submitted their second NDCs*

*as of 15 May 2022



75% GHG emission reduction/avoidance commitment

72.29% - Conditional commitment (cost or means for which are expected to be facilitated or provided by Annex 1 country Parties [Developed Countries] *i.e., finance, technologies, capacity building*

2.71% - Unconditional commitment (cost of which the Philippines will defray from its resources

NDC MANAGEMENT ORGANOGRAM



NDC Unconditional Policies and Measures (PAMs)

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENVIRONMENT AND NATURAI	Waste	1. Expansion of Wastewater Treatment Facilities in Compliance Supreme Court Mandamus on Manila Bay (G.R. 171947-48)
RESOURCES (DENR)	Industrial Processes and Product Use (IPPU)	 Clinker Substitution with Supplementary Cementitious Materials in Cement Production Shift to Low-Global Warming Potential (GWP) Refrigerants
DEPARTMENT OF Energy ENERGY (DOE)		Energy Efficiency measures
DEPARTMENT OF TRANSPORTATION (DOTr)	Transport	 Public Utility Vehicle Modernization Phase 1 Motor Vehicle Inspection System Phase 1 BRT Cebu and Quezon Avenue Rail projects under BBB Program

AGENCY	SECTOR	PAMs
DEPARTMENT OF AGRICULTURE (DA)	Agriculture	 Use of alternate wet and drying, cropland management, and renewable energy (RE) for flood control and water management systems in paddy rice cultivation Use of nature-based solutions and breeding interventions in livestock-enteric fermentation Use of cropland management, precision agriculture, and biotech crops to reduce N₂O emission from annually cultivated soils Use of biodigester and nature-based solutions in livestock- manure management Use of precision agriculture and cropland management Use of nature-based solutions / circular bio-economy

AGENCY	SECTOR	PAMs
DEPARTMENT OF AGRICULTURE (DA)	Agriculture	 Proposed Additional PAMs Implementation of Additional Measures to Reduce Carbon Footprint of Agricultural Products Implementation of carbon sequestration measures RE-powered service centers, offices, and farm machinery and equipment of the DA Implementation of Renewable Energy System for Irrigation

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)	Industrial Processes and Product Use (IPPU), Waste	 IPPU Clinker substitution with supplementary cementitious materials (SCMs) including fly ash and other pozzolanic materials in cement production Increase use of cullet in glass production Shift to low-Global Warming Potential (GWP) refrigerants in the Refrigeration and Air Conditioning (RAC) industry Establishment of a Destruction Facility for Ozone depleting substances (ODS) and Hydrofluorocarbons (HFCs) Wastewater Expand septage and sewerage treatment facilities in HUCs and other cities outside Manila Bay Area Expand wastewater treatment facilities in compliance to the Supreme Court Mandamus to rehabilitate Manila Bay

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES (DENR)	Industrial Processes and Product Use (IPPU), Waste	 Solid Waste Composting of Organic Wastes Methane Flaring in Disposal Facilities Methane Recovery from Sanitary Landfills for Electricity Municipal Solid Waste (MSW) Digestion of Organic Waste with Methane Capture Use of Eco-Efficient Soil Cover Proposed Additional PAMs Installation of Waste Heat Recovery (WHR) Facility in cement plants Alternative fuel and raw materials (i.e., waste and biomass) in cement co-processing Reduction of emissions from iron and steel industry Promotion of industrial wastewater systems/ technologies that consider the capture and utilization of biogas in an anaerobic system

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENERGY (DOE)	Energy	 Implement energy efficiency across all sectors Increase RE share in power generation and energy mix Entry of highly efficient coal technologies (no sub-critical coal power plants in CES) Install new and emerging technologies Penetration of e-vehicles to reduce petroleum product use in the transport sector Aggregate natural gas consumption in Commercial and Industrial sectors Grid modernization program / Smart grids (ICT) Conduct of impact and vulnerability assessments of the energy systems and infrastructures (i.e., power generation, transmission and distribution, fuel production and transport)

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENERGY (DOE)	Energy	 Institutionalize the Energy Resiliency Policy and other measures, such as: integration of structural adaptations into the structural design/strengthening of energy infrastructures; and, Implementation of infrastructure reinforcement measures Mainstream climate change adaptation in energy policies, plans and programs including laws and regulations Develop strategies on changing demand patterns focusing on: Investments in technological change to address energy demand and supply options Establishment of sustainable financing mechanisms

AGENCY	SECTOR	PAMs
DEPARTMENT OF ENERGY (DOE)	Energy	 Share and disseminate knowledge, research and best practices on adaptation and mitigation Development of models on climate change impacts of weather extremes, seasonal variability, changes in temperature and wind speeds to assess implications on energy supply resources (e.g., wind, solar and hydro), and on energy consumption patterns

AGENCY	SECTOR	PAMs
DEPARTMENT OF TRANSPORTATION (DOTr)	Transport	 Fuel Efficiency and Improvement Standards Public Utility Vehicle Modernization Program (PUVMP) - Phase 1 Motor Vehicle Inspection System (MVIS) Phase 1 Rail Projects under the Build Build Build Program PNR Projects: Clark Phase 1; Clark Phase 2; Calamba; Bicol Metro Manila Subway MRT Line 7 Mindanao Railway Project:Tagum-Davao-Digos; Tagum-Butuan; Butuan-Iligan; Iligan-Digos Cebu Railway (Cebu Monorail Transit System USP) Subic-Clark Cargo Railway LRT Line 1 (Cavite) Extension LRT Line 2 East Extension; West Extension

AGENCY	SECTOR	PAMs
DEPARTMENT OF TRANSPORTATION (DOTr)	Transport	 Bus Rapid Transit (BRT) Projects a. Cebu Bus Rapid Transit b. Metro Manila Bus Rapid Transit Line 1 (Quezon Avenue)
		 Other Rail Projects under the Build Build Build Program a. MRT Line 4 b. MRT Line 3 Rehabilitation Project
		 c. Common Station d. Rail Unsolicited Proposals 2. Establishment of Data Collection System for Maritime Transportation Sector
		 Proposed Pasig River Ferry Station Project Vessel Fleet Modernization Program Night Rating of Airports

AGENCY	SECTOR	PAMs
DEPARTMENT OF TRANSPORTATION (DOTr)	Transport	 6. PUVMP Phase 2 7. PUVMP Phase 3 8. MVIS Phase 2 9. Motor Vehicle Emission Standards (MVES) 10. EDSA Greenways Project 11. Active Transport (National and Local Bikeways Program) 12. New Technologies a. Magnetic Levitation Technology on Railways b. Hydrogen Fuel Cell-powered Electric Train Vehicles c. Pure Battery Electric Trains d. Gas hybrid train (internal combustion engine and battery) e. Electric vehicle (lithium-ion battery) f. Hydrogen refueling station g. Ethanol- and methanol-fueled diesel engine h. Hydrogen fuel cell electric vehicle (hydrogen tank and polymer electrolyte membrane fuel cell) i. Battery electric vehicle for buses/ light commercial vehicles/ trucks/ passenger cars.

Concluding Note

- The Philippines' NDC conveys the country's progressive climate change mitigation commitment and adaptation challenges and requirements, including addressing residual loss and damage, in pursuit of low carbon, sustainable, and climate and disaster-resilient development.
- With continuing analysis and public-private sector collaboration, enhancements on this NDC are expected to reflect increasing ambition and economy-wide mitigation potential, based on the growth directions and projected climate change adaptation needs of the Filipino people.

Concluding Note

- These shall include enhancement of transformative policies and measures for climate change mitigation and information for clarity, transparency, and understanding in accordance with relevant guidelines.
- The Philippines shall continue to engage all stakeholders concerned in the NDC implementation, updating, and monitoring and review processes.

Concluding Note

- Access and Delivery of Means of Implementation (i.e. Climate Finance, Technology transfer and development, Capacity-building)
- Resource Mobilization
- Partnerships

END OF PRESENTATION

You may reach us through:

osec@climate.gov.ph prdd@climate.gov.ph