 Exploring Greenhouse Gas Emissions and Its Benefits

Philippine's Policies, Programs and Targets on Climate Change

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Department of Environment and Natural Resources

Outline

Climate Change Policy and Frameworks

Global Response to Climate Change

Development of the Philippine NDC

DENR Contribution to the Philippine NDC

CCAM DRR Roadmap, Programs and Priority
Legislative Agenda

Overarching Policy Frameworks

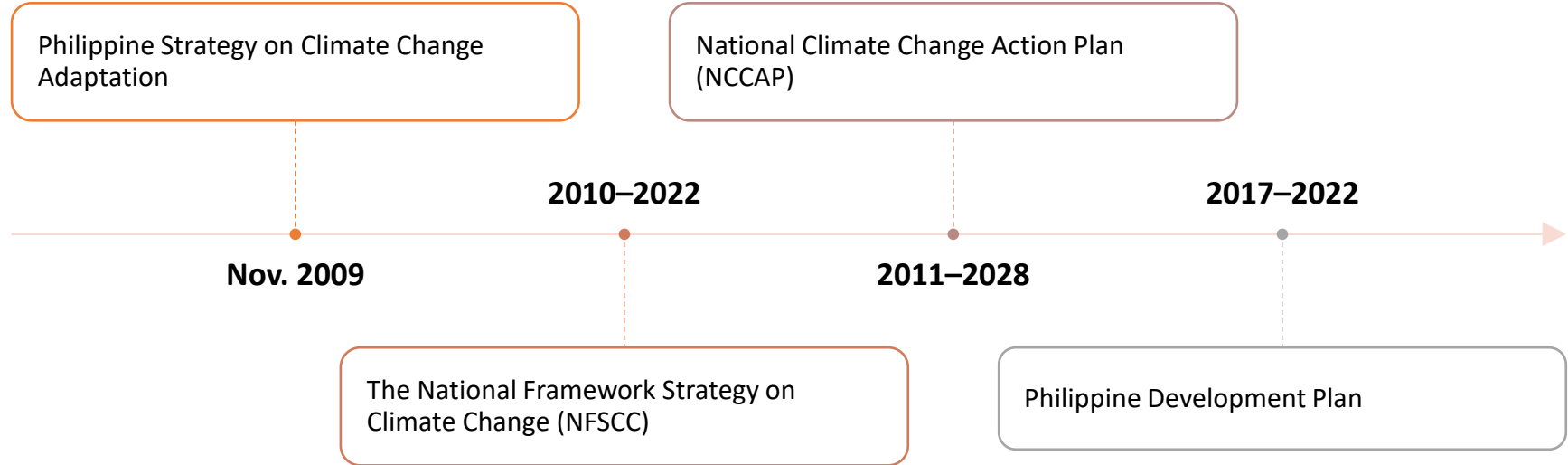
Climate Change Act of
2009 (Republic Act
(R.A.) 9729 as
amended by
R.A.10174)

Executive Order 43,
2011
Cabinet Cluster on
Climate Change
Adaptation and
Mitigation (CCAM)
– Reorganized to
include DRR, 2017 thru
EO 24

Executive Order 174,
2014
Institutionalizing the
Philippine Greenhouse
Gas Inventory
Management and
Reporting System

R.A. 10771
Philippine Green Jobs
Act of 2016

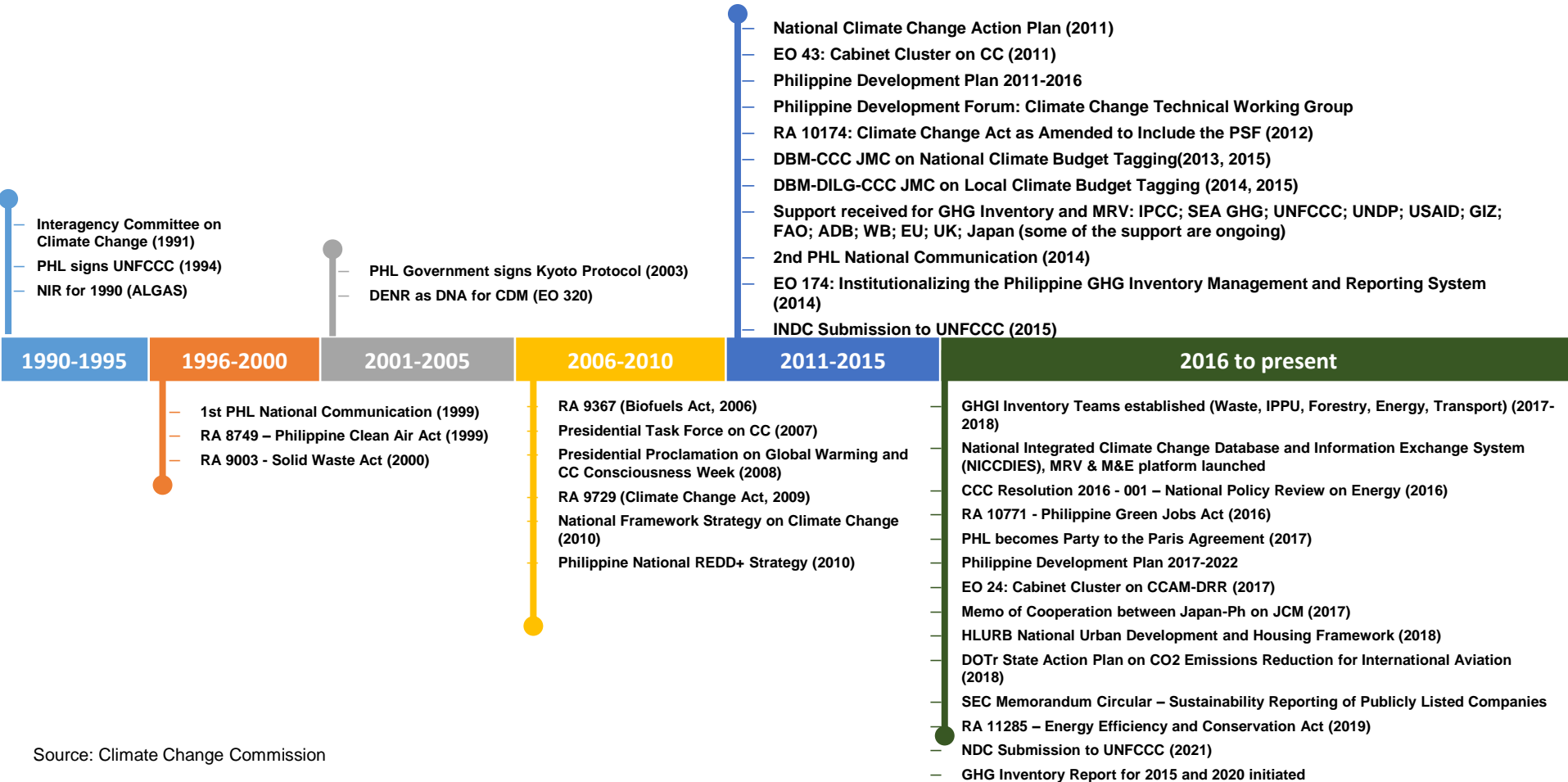
Strategy/Planning Frameworks



NCCAP Themes and Intermediate Outcomes

THEME	INTERMEDIATE OUTCOMES
FOOD SECURITY	<ul style="list-style-type: none"> • Ensure availability, stability, accessibility, and affordability of safe and healthy food.
WATER SUFFICIENCY	<ul style="list-style-type: none"> • Comprehensive review and subsequent restructuring of the entire water sector governance. • Assess the resilience of major water resources and infrastructures; manage supply and demand; manage water quality; and promote conservation.
ECOSYSTEM AND ENVIRONMENTAL STABILITY	<ul style="list-style-type: none"> • Protection and rehabilitation of critical ecosystems. • Restoration of ecological services.
HUMAN SECURITY	<ul style="list-style-type: none"> • Reduce the risks of women and men to climate change and disasters.
CLIMATE-SMART INDUSTRIES AND SERVICES	<ul style="list-style-type: none"> • Creation of green jobs, and sustainable consumption and production. • Development of sustainable cities and municipalities.
SUSTAINABLE ENERGY	<ul style="list-style-type: none"> • Promotion and expansion of energy efficiency and conservation. • Development of sustainable and renewable energy. • Environmentally sustainable transport. • Climate-proofing and rehabilitation of energy systems infrastructures.
KNOWLEDGE AND CAPACITY DEVELOPMENT	<ul style="list-style-type: none"> • Enhance knowledge on the science of climate change. • Enhance capacity for climate change adaptation, mitigation and disaster risk reduction at the local and community level. • Establish gendered-climate change knowledge management accessible to all sectors at the national and local levels.

Timeline of Mitigation Policies and Initiatives



Local Climate Change Policies and Initiatives

Planning Guidelines



CLUP Guidebook Vol. 1-3
(2014)



Supplemental CLUP Guidelines for
Mainstreaming CC-DRR
(2015)



CDP Illustrative Guide
(2016)



Enhanced LCCAP Guidebook
(2017)



CDP Guide for Mainstreaming CC-DRR
(2021)

2009

2014

2015

2016

2017

2020

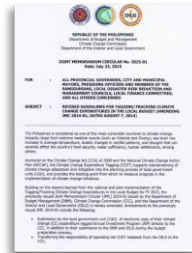
2021



DBM LBM 68
(1 Jul 2014)



DBM-CCC-DILG JMC 2014-01
(7 Aug 2014)



DBM-CCC-DILG JMC 2015-01
(23 Jul 2015)



DBM LBM 80
(18 May 2020)



DBM LBM 82
(14 June 2021)

Climate Expenditure Tagging Guidelines

Sectoral Policy and Strategy Frameworks for Climate Change Mitigation

Energy Sector	
Policy Frameworks	Mini-Hydroelectric Power Incentive Act of 1991 (R.A. 7156)
	Department of Energy Act, 1992 (R.A. 7638)
	Electric Power Industry Reform Act of 2001 (R.A. 9136)
	Biofuels Act of 2006 (R.A. 9367)
	Renewable Energy Act of 2008 (R.A. 9513)
Strategy/ Planning Frameworks	Philippine Energy Plan (PEP) 2017-2040
	Power Development Plan (PDP), 2017-2040
	National Renewable Energy Program (NREP), 2011-2030
	Energy Efficiency Roadmap, 2017-2040
	Biofuels Roadmap, 2017-2040
	Downstream Natural Gas Roadmap, 2017-2040
	Alternative Transport Fuels and Technologies Program
Transport Sector	
Policy Frameworks	Clean Air Act of 1999 (R.A. 8749)
	Land Transportation and Traffic Code (R.A. 4136)
	Imposing A Motor Vehicle User's Charge, 2000 (R.A. 8794)
	Biofuels Act of 2006 (R.A. 9367)
	Reducing the Rates of Import Duty on CNG Motor Vehicles (E.O. No. 396)
Strategy/ Planning Frameworks	Philippine Energy Efficiency Roadmap, 2017-2040
	DOE Alternative Fuels and Energy Technology Roadmap
	Biofuels Roadmap, 2017-2040

Industry Sector	
Policy Frameworks	Toxic Substances and Hazardous and Nuclear Waste Act of 1990 (R. A. 6969)
	DAO 2010-06 (Guidelines on the use of alternative fuels and raw materials in cement kilns)
Strategy/ Planning Framework	Micro, Small and Medium Enterprise Development Plan, 2011-2016
	Greening the Philippine Industries Roadmap Philippine Energy Efficiency Roadmap, 2017-2040
Waste Sector	
Solid Wastes	
Policy Frameworks	Ecological Solid Waste Management Act of 2000 (R.A. 9003)
	Renewable Energy Act of 2008 (R.A. 9513), Sec. 30
Strategy/ Planning frameworks	National Solid Waste Management Strategy 2012-2016
	LGU Municipal Solid Waste Management Plans
Wastewater	
Policy Frameworks	Clean Water Act of 2004 (R.A. 9275)
	Code on Sanitation of the Philippines (P. D. 856)
Strategy/ Planning frameworks	2016 National Sustainable Sanitation Plan
	National Septage and Sewerage Management Plan (NSSMP)

Forestry Sector	
Policy Frameworks	PD 705 (1975) Revised Forestry Code
	E.O.263 (1995) Community-based forest management
	E.O. 318 (2004) Sustainable forest management
	E.O. 881 (2010) CCC assigned to coordinate Philippines and DENR designated as the operational implementer of a Philippine National REDD+ Strategy (PNRPS);
	E.O. 23 (2011) Logging ban in the natural and residual forests
	E.O. 26 (2011) Established the National Greening Program (NGP)
	E.O. 193 (2015) Expanded the coverage of the NGP.
Strategy/ Planning Frameworks	Philippine Master Plan for Climate Resilient Forestry Development (2016)
	Forestry Industry Roadmap (FIRM)
Agriculture Sector	
Policy Frameworks	Agriculture and Fisheries Modernization Act (R.A. 8435)
	Philippine Fisheries Code (R. A. 8550)
	Organic Agriculture Act of 2010 (R. A. 10068)
Strategy Frameworks/ Programs	AMIA (Adaptation & Mitigation Initiative in Agriculture) Villages
	Climate Investment Program for Agriculture and Fisheries
	Climate Smart Agriculture
	Agri-Pinoy Program
	National Greening Program (Agroforestry)

*The Philippines' Sustainable
Finance Roadmap to Support
Commitments towards
Decarbonization*

The Philippine Sustainable Finance Roadmap

- designed to lay out the high-level action plans of the whole-of-government approach to promote sustainable finance in the Philippines
- the first phase focusing more on the transition to a low carbon economy
- promotes transition to a low carbon economy

Roadmaps' Guiding Principle 2 on the Assessment of Economic Activities

- Promoting
Transition to a Low
Carbon Economy

- Finance activities that lead to the achievement of the Paris Agreement goals and the Philippines GHG reduction target/NDC
- Finance an entity that is proactively pursuing the transition aligned with the Paris Agreement and Philippines GHG reduction target/NDC
- Finance a project in a GHG emitting industry or sector that achieves or implements the level of best performance of low GHG emissions
- Finance a project relating to or contributing to products with the level of best performance of low GHG
- Finance an activity, entity or project that would contribute to GHG reduction throughout the lifecycle of a product

PDP/NDC Measures to Support PH Decarbonization

Agriculture	Waste	IPPU	Energy	Transport
Use of alternate wetting and drying (AWD) in paddy rice cultivation	Enhance diversion of organic waste through composting	Substitution of clinker in cement production with supplementary cementitious materials	Increase renewable energy (RE) share in power generation and energy mix	Public Utility Vehicle Modernization
Use of biodigester and nature-based solutions in livestock-manure management	Methane recovery from sanitary landfills for electricity/flaring	Increase use of glass cullet in glass production	Energy efficiency and conservation	Vessel Fleet Modernization Program
Use of precision agriculture with digital technology and cropland management	Application of eco-efficient soil cover in closure of dumpsites	Shift to low global warming potential (GWP) refrigerants in RAC sector	Increase penetration of electric vehicles to reduce use of petroleum products	Application of green and emerging technologies <ul style="list-style-type: none"> • Magnetic Levitation Technology on Railways • Hydrogen Fuel Cell-powered Electric Train • Ethanol- and methanol-fuelled diesel engine • Hydrogen fuel cell
Use of fast-growing climate resilient crops, livestock and aquaculture species	Construction and expansion of centralize wastewater treatment facilities	Development of an ODS and HFC destruction facility	Increase biodiesel blending in fuel	

NDC Non-Negotiable Elements

Sustainable Industrial Development

Poverty Eradication and Provision of Basic Needs

Securing Social and Climate Justice

Energy Security

Ongoing NDC-related activities

- Increase awareness on institutional arrangements and enabling environments to plan for, develop and implement NDCs and LT-LEDS
- Enhance engagement of diverse stakeholders
- Showcase national examples of NDC-related best practices
- Revisit the NDC Implementation Plan and consider other sectors
- Consider additional policies and measures (PAMs)

But why do we have to commit?

- access to means of implementation through capacity building, technology transfer and climate finance
- facilitate transition to a low carbon development path
- achieve a climate-resilient society
- promote sustainable climate investments in the country





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Thank you!