



NATIONAL POLICY ON CLIMATE CHANGE (NPCC), 2013

**A policy document developed by the
Federal Ministry of Environment**

Simplified Summary

Curated by Clean Tech Incubation and Acceleration Foundation with the generous support of ALL ON





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EXECUTIVE SUMMARY

The NPCC sets out Nigeria's response strategy to climate change as well as measures for the adoption of climate smart practices aimed at fostering sustainable development. It describes adaptation and mitigation measures for responding to the threat of climate change in the country.

This Guide provides a simplified summary of the NPCC primarily for off-grid renewable energy stakeholders. It provides a context to the policy, legal foundation, guiding principles, objectives, adaptation and mitigation measures, policy response approaches, implementing measures key stakeholders, related regulatory and policy documents, and current implementation status.

CONTEXT

The Department of Climate Change (DCC) in the Federal Ministry of Environment, Nigeria was created to implement the Climate Change Convention and the Kyoto Protocol activities. The vision of the National Policy on Climate Change (NPCC) is a climate change resilient Nigeria, and its mission is to strengthen national initiatives to adapt to and mitigate climate change in a participatory manner¹.

Nigeria already has several policies and strategic initiatives which, if properly implemented, can serve as adaptation and mitigation climate change measures, including the National Policy on Drought and Desertification.

The National Policy on Climate Change of Nigeria is a strategic policy response to climate change that aims to foster low-carbon, high growth economic development path and build a climate-resilient society through the attainment of set targets.

The plan clearly identifies climate change as one of the major threats to economic development goals and food security.

To meet these challenges, the plan includes concrete targets in the areas of climate change adaptation, afforestation, and energy supply.

The vision of this policy document is aimed at a climate change-resilient Nigeria, ready for rapid and sustainable socio-economic development. Its mission is to strengthen national initiatives to adapt to and mitigate climate change and involve all sectors of society, including the poor as well as other vulnerable groups (women, youth etc.) within the overall context of advancing sustainable socio-economic development.

LEGAL FOUNDATION

The NPCC is a policy document approved by the Nigerian Federal Executive Council (FEC) in 2013 as the overarching national document for climate activities in Nigeria.

GUIDING PRINCIPLES

Climate change is addressed with a framework of sustainable development

Climate change policy provides viable entrepreneurship opportunities

Mitigation and adaptation are integral components of policy response

Climate change policy is integrated with other interrelated policies promoting economic and environmental efficiency

Adequate, coordinated and strategic institutional, policy and legislative response to climate change challenge

The use of energy as a key driver of high economic growth is pursued within the context of sustainable development involving energy conservation, energy structure optimization

Promoting research and development, adoption of best practices, and capacity building programmes

Actions taken where significant evidence of climate related risks exist, with more emphasis on causes rather than the impacts

SECTORAL ADAPTATION & MITIGATION PROGRAMMES



Energy



Agriculture



Water



Coastal Areas



Forestry & Land use



Transport



Health



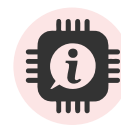
Culture & Tourism



Population



Human Settlement



Information & Communication Technology

STRATEGIES/OBJECTIVES OF THE POLICY

- Implement mitigation measures that will promote low carbon
- Strengthen national capacity to adapt to climate change
- Raise climate change-related science, technology and R&D to a new level that will enhance the country's image on climate change
- Significantly increase public awareness and involve private sector participation in tackling climate change
- Strengthen national institutions and mechanisms to establish a suitable framework for climate change governance



POLICY RESPONSE APPROACHES

Building adequate capacity to manage climate change

Continuously reducing GHG emissions in all sectors

Enhancing international cooperation in climate change

Strengthening private sector participation in the use of clean energy

Supporting on-going initiatives to gradually eliminate gas flaring

Generating adequate energy from a mix of sources without significantly increasing the country's GHG emissions

Planning for future climate change scenarios and building dynamic response strategies

Strengthening inter-sector actions and mechanisms concerned with climate change

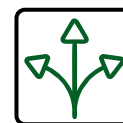
Enhancing food security, reducing poverty and promoting healthy living for all Nigerians

Integrating disaster risk management of climate-related hazards into development

STRATEGIES



Diversify energy mix with increasing proportion from renewable and other sources using clean technologies.



Enhancing energy efficiency in all sectors.



Capacity building and institution strengthening.



Sustainable and coordinated climate change financing.



Activities



Fossil Fuel

- Decrease use of fuel (heavy) oil.
- Promote efficiency in the use of oil and gas.
- Eliminate subsidies on fossil fuel.
- Re-engineer thermoelectric plants with combined-cycle technology.
- Support on going initiative to gradually eliminate gas flaring.



Renewable Energy & Energy Efficiency

- Subsidize the development of renewable and other clean energy sources.
- Support households to take actions necessary for efficient domestic energy utilization.
- Generate energy from renewable sources to account for a minimum of 20% by 2030.
- Promote targeted research in low carbon technologies and renewable energies.
- Support efforts to upgrade energy infrastructure including transmission lines to improve efficiency in supply.



Policy & Advocacy

- Expand the national grid coverage to the grassroots.
- Strengthen fiscal and regulatory measures to actively encourage private power companies in the production of electricity (ensuring adequate connectivity of privately generated electricity to national grid).
- Review the implementation of existing national energy policies, plans and regulations to make them responsive to the mitigation of GHG emissions.

CLIMATE CHANGE STRATEGIC ACTION (2011-2020) PILLARS



Mitigation and low carbon high growth development

Develop a strategic energy plan and investment portfolio.

Increase the renewable energy mix.

Partnership with developed countries and private sector to facilitate technology transfer.

Expand the social forestry programme on government and community lands.

Review energy and technology policies and incentives.



Food Security, Poverty reduction, protection of the vulnerable

Research and develop climate resilient cropping systems and crop varieties.

Increase the resilience of vulnerable groups including women and children.

Establish and strengthen functional surveillance systems for existing and new disease risks.

Promote the implementation of improved water resources management and sanitation programmes in vulnerable areas of the country.



Integrated and comprehensive disaster risk management

Put in place appropriate policies, laws and regulations to facilitate an integrated and comprehensive approach to disaster management.

Strengthen the capacity of government, civil society and communities to manage natural disasters.

Strengthen community-based adaptation programmes.

Put in place early warning systems.



Infrastructure

- Repair and rehabilitate existing infrastructure.
- Undertake strategic planning of future infrastructure needs.
- Invest in the planning, designing and construction of urgently needed new infrastructure.



Research & Development

- Model climate change scenarios for the country to include current and future emission scenarios.
- Model the likely impacts of climate change on agriculture, land and water resources, ecosystems and biodiversity, energy production and use, transport etc.
- Undertake vulnerability of climate change impacts and adaptation opportunities in the country.
- Research on the economic costs of climate change mitigation and adaptation options in Nigeria.
- Research the linkages between climate change and poverty, health, security and vulnerability.
- Research and develop appropriate technologies for climate change mitigation and adaptation.
- Strengthen the capacity of the Centre for Climate Change and Freshwater Resources and other relevant institutions and networks for climate change knowledge management.



Capacity building & Institutional strengthening

- Review all government policies (sector by sector) to ensure they take full account of climate change.
- Mainstream climate change in national, state, local and sectoral development planning to ensure that impacts on vulnerable groups and women are prioritised in development plans.
- Build the capacity of the Special Climate Change Unit and other relevant key government ministries and agencies.
- Build the capacity of the government to undertake international and regional negotiations on climate change.



Sustainable & coordinated climate change financing

Develop sustainable financing mechanisms, including the establishment of a Climate Change Trust Fund.

Develop operational guidelines for the climate change sustainable financing mechanism.

Establish a dedicated secretariat to provide advice and support to Ministries of Environment and Finance in the management of the funds.

Build the capacity of the government, civil society and the private sector on carbon financing to access various global climate funds.



KEY IMPLEMENTING MEASURES

Communication and Awareness Creation	Encourage the participation of enterprises and communities in mitigation and adaptation of climate change.
Capacity Building	Develop procedures for Clean Development Mechanism (CDM) projects, and generate at least 500 CDM projects by 2030. Build the capacity of local communities.
Legal Framework	The creation of a legal framework through the federal legislature with provisions for: <ul style="list-style-type: none"> • The establishment of the National Climate Change Agency/ Commission and all other Climate Change Management structures and committees. • The consistent implementation of the plan to make the Nigerian economy carbon efficient and society climate resilient.
International Cooperation	Evolving a system for tracking international trends and effective participations in negotiations.
Governance and Institutional Framework	Development, amendment and perfection of legal normative documents and systems related to climate change response. Mainstreaming of climate change issues into strategies and planning for socio-economic and sectors development.
Financing NPCC Activities	The Setting up of the National Strategic Climate Change Trust Fund (NSCCTF). The scope of the activities of the NSCCTF include: <ul style="list-style-type: none"> • Projects that will enhance the adaptation capacity of Nigeria to cope effectively with the impacts of climate change. • Projects that will include: ease the level of awareness of climate change among Nigerians.

NPCC IMPLEMENTATION SPECIFIC TO OFF-GRID ENERGY

Nigeria has a Department of Climate Change (DCC) unit in Nigeria's Federal Ministry of Environment, charged with implementing the convention and protocol activities. It also coordinates the activities of an inter-ministerial committee comprising of Ministry of Finance, Agriculture and Water Resources; Energy Commission of Nigeria; Nigerian National Petroleum Corporation (NNPC); Ministry of Foreign Affairs; Nigerian Meteorological Agency (NIMET); Industries; NGOs; and Academia.

Pillar

Mitigation and low carbon high growth development

Programme

Improve efficiency in the production and consumption of energy.

Activities

Study the future energy needs of the country and identify the least cost energy supply path.

Time Frame

Short

Responsibility

Federal Ministry of Environment
Federal Ministry of Science & Technology
Federal Ministry of Power
Nigerian National Petroleum Corporation
Energy Commission of Nigeria



Pillar

Mitigation and low carbon high growth development

Programme

Improve efficiency in the production and consumption of energy.

Activities

Improve energy efficiency in power production, transmission and distribution through appropriate investments.

Time Frame

Medium
Long

Responsibility

Power Holding Company of Nigeria
Energy Commission of Nigeria



Pillar

Mitigation and low carbon high growth development

Programme

Improve efficiency in the production and consumption of energy.

Activities

Improve energy efficiency in agricultural and industrial processes, residential commercial service and transport sectors etc. through appropriate policies and investments

Time Frame

Short

Medium

Responsibility

Federal Ministry of Environment

Federal Ministry of Science & Technology

Power Holding Company of Nigeria

**Pillar**

Mitigation and low carbon high growth development

Programme

Oil and natural gas exploration and reservoir management

Activities

Increase investment in the on-going initiatives for the elimination of gas flaring.

Time Frame

Short

Medium

Responsibility

Federal Ministry of Power

Nigerian National Petroleum Corporation



Pillar

Mitigation and low carbon high growth development

Programme

Oil and natural gas exploration and reservoir management

Activities

Invest in gas exploration to expand accessibility to the energy poor majority, and sustainably bringing the gas to market

Time Frame

Medium

Responsibility

Federal Ministry of Power

Nigerian National Petroleum Corporation

**Pillar**

Mitigation and low carbon high growth development

Programme

Oil and natural gas exploration and reservoir management

Activities

Invest in other GHG reduction projects such as cogeneration, fuel switching and energy efficiency improvements.

Time Frame

Medium

Long

Responsibility

Nigerian National Petroleum Corporation



Pillar

Mitigation and low carbon high growth development

Programme

Environment friendly development of coal mines and coal fired power stations

Activities

Review coal mining methods and undertake a feasibility study to access the technical, economic, social and environmental feasibility of coal mining for power generation

Time Frame

Short

Responsibility

Federal Ministry of Mines and Steel Development

**Pillar**

Mitigation and low carbon high growth development

Programme

Environment friendly development of coal mines and coal fired power stations

Activities

If the feasibility is positive, invest in coal mining and coal-fired power generation plants using clean coal technology

Time Frame

Medium
Long

Responsibility

Federal Ministry of Mines and Steel Development
Power Holding Company of Nigeria



Pillar

Mitigation and low carbon high growth development

Programme

Enhanced renewable energy development and use.

Activities

Promote an enabling environment for renewable energy investments and invest to up-scale the implementation of existing renewable energy programmes.

Time Frame

Short

Responsibility

Federal Ministry of Environment
Federal Ministry of Science & Technology
Energy Commission of Nigeria

**Pillar**

Mitigation and low carbon high growth development

Programme

Environment friendly development of coal mines and coal fired power stations

Activities

Research and investment to harness other potential renewable energy sources, including tidal and wave energy

Time Frame

Short
Medium

Responsibility

Energy Commission of Nigeria



Pillar

Mitigation and low carbon high growth development

Programme

Enhanced renewable energy development and use.

Activities

Provide micro-credit for wide adoption of proven improved biomass stoves to reduce deforestation. .

Time Frame

Medium

Long

Responsibility

Federal Ministry of Finance

Energy Commission of Nigeria

**Pillar**

Sustainable and coordinated climate change financing

Programme

Facilitate a national climate change fund

Activities

Establish a National Committee to design the national climate change fund.

Time Frame

Short

Responsibility

Federal Ministry of Environment



Pillar

Mitigation and low carbon high growth development

Programme

Facilitate a national climate change fund

Activities

Launch the national climate fund

Time Frame

Short

Responsibility

Federal Ministry of Environment

**Pillar**

Sustainable and coordinated climate change financing

Programme

Facilitate a national climate change fund

Activities

Link the national climate fund to national budget, vision 2020 and Mid-term plan.

Time Frame

Medium, Long

Responsibility

Federal Ministry of Environment
National Planning Commission

**Pillar**

Sustainable and coordinated climate change financing

Programme

Build national capacity to access global climate change funds

Activities

Link the national fund to international financing schemes, including the Green Climate Fund

Time Frame

Medium, Long

Responsibility

Federal Ministry of Environment
Federal Ministry of Finance



Pillar

Sustainable and coordinated climate change financing

Programme

Build national capacity to access global climate change funds.

Activities

Establish a national committee to support the Department of Climate Change (DCC) to facilitate proposals to access global climate change funds.

Time Frame

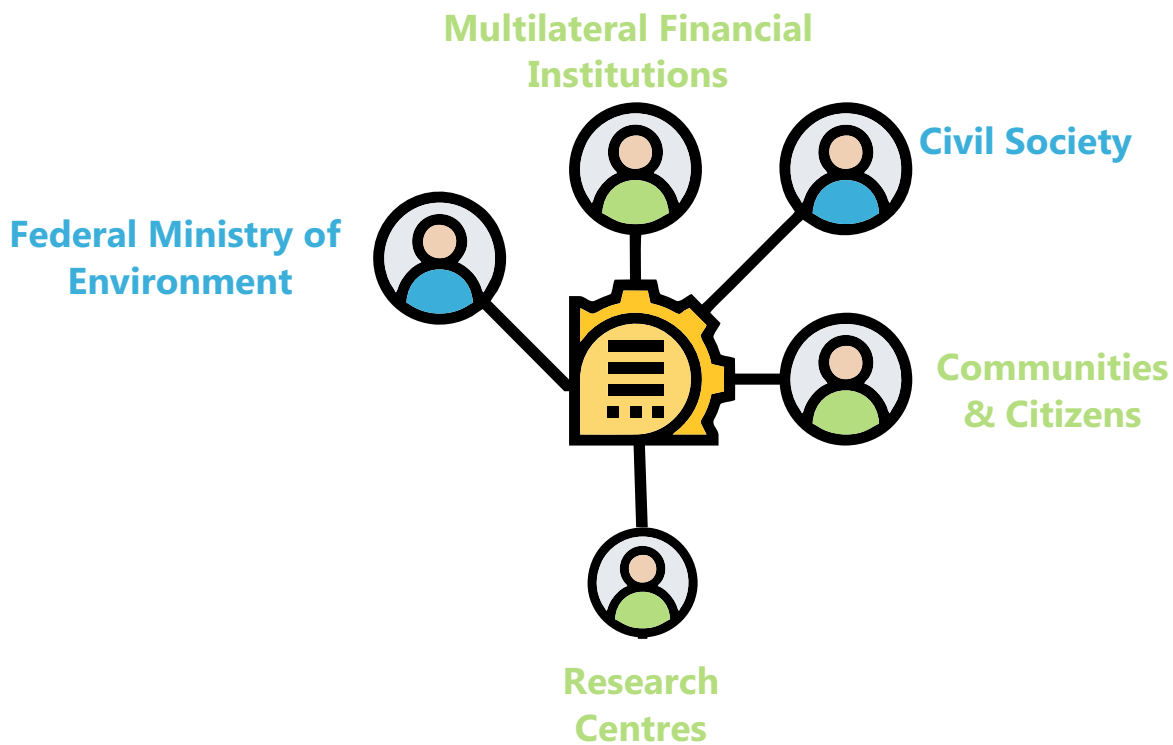
Short, Medium

Responsibility

Federal Ministry of Environment



KEY STAKEHOLDERS



RELATED REGULATORY AND POLICY DOCUMENTS

National Environmental Policy, 1989
National Adolescence Health Policy, 1990 - 2015
United Nations Framework Convention on Climate Change (UNFCCC), 1992
National Action to Combat Desertification, 1997
National Agricultural Policy, 2001
The National Energy Policy, 2003
Kyoto Protocol, 2004
National Biodiversity Strategy and Action Plan, 2004
National Water Policy, 2004
National Tourism Plan (NTP), 2005
National Policy on Erosion, Flood Control and Coastal Zone Management, 2005
Draft National Forest Policy, 2006
Renewable Energy Master Plan (REMP), 2006
Nigerian Health Promotion Policy, 2006
The Fourth Assessment Report (AR4) of the Intergovernmental Panel on Climate Change (IPCC), 2007
Drought Preparedness Plan, 2007
National Reproductive Health Policy, 2010
National Adaptation Strategy and Action Plan (NASPA), 2011
Economic Transformation Agenda, 2011-2012
Nigeria's Nationally Determined Contribution (NDC), 2015
Vision 2020
National Health Policy, 2017 (revised from 1988)
National Policy on Drought and Desertification

NPCC IMPLEMENTATION STATUS-SPECIFIC TO OFF-GRID ENERGY

Diversification of Nigeria's energy mix with an increasing percentage of rural electrification projects being off-grid renewable energy technologies.

Issuance of foreign green bond and the first Climate Bonds Certified Sovereign Bond. This fund has been allocated to finance three government renewable energy projects – the Renewable Energy Micro-Utilities Programme; the Re-Energizing Education Programme, and the Afforestation Programme.

The bond comprises a 5-year N10.6 billion (\$25 million) facility with coupon rate of 13.48%. The Nigeria Debt Management Office has listed the country's Sovereign Green Bond on the Nigerian Stock Exchange.

There is also the development of professional and technical courses on renewable energy and energy efficiency by development partners such as the GIZ in collaboration with National Power Training Institute of Nigeria and private training centres to build local skills in the sector.



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