



El emprendimiento
es de todos

Minhacienda

Colombia Sovereign Green Bond

FRAMEWORK

PROJECT PORTFOLIO



Sustainable water management, use and sanitation

4 projects for a total of COP 805 billion or 40% of the portfolio

SDGs



Environmental goals



Climate change adaptation



Pollution prevention and control





Description

- Restoration in strategic areas where basins that supply municipal aqueducts are located.
- Management of information for sustainable use, planning and management of water resources.
- Construction and maintenance of aqueducts and sewers, and basic and environmental sanitation.
- Water resource monitoring network systems in quality and quantity.
- Establishment of wastewater treatment plants.
- Network systems for monitoring weather conditions and atmospheric phenomena.





Sustainable water management, use and sanitation

Projects	Indicators
 <p>Institutional strengthening for the management of water resources and implementation of the national water policy</p>	<ul style="list-style-type: none"> Number of wastewater management projects
 <p>Financial support to facilitate access to drinking water and wastewater management services nationwide</p>	<ul style="list-style-type: none"> Number of projects designed to promote efficient water use and savings
 <p>Sanitation of discharges in prioritized basins of the national territory</p>	<ul style="list-style-type: none"> Number of documents that provide technical guidelines for climate change management Number of regional institutional programs to monitor water quality and quantity
 <p>Strengthen the management of national hydrological, meteorological and environmental knowledge</p>	<ul style="list-style-type: none"> Increase in the amount of water treated in m³



Clean and sustainable transport

5 projects for a total of **COP 544 billion** or **27% of the portfolio**

SDGs



Environmental goals



Climate change mitigation



Pollution prevention and control








Description

- Urban development and mass passenger transport.
- Non-motorized mobility.
- Development of infrastructure and active transport.
- Infrastructure for electric transport.
- Reconversion of the transport fleet (Scrapping).
- Low carbon transport systems.
- Multimodal freight transport that reduces GHG emissions.
- Air quality monitoring networks in mass transportation systems.



Clean and sustainable transport

Projects	Indicators
 <p>Construction of section 1 of the first metro line in Bogota</p>	<ul style="list-style-type: none"> ▪ Reduction of GHG emissions compared to the baseline scenario ▪ Number of air quality surveillance and monitoring networks ▪ Kilometers or meters of urban roads built or improved for the operation of public transportation services ▪ Number of stations, terminals or additional construction works built or improved for the operation of public transportation systems
 <p>Construction of phases II and III of the extension (of the Norte Quito Sur bus line) of the Transmilenio Soacha system</p>	
 <p>Implementation of Cartagena's integrated mass transportation system</p>	
 <p>Implementation of Cali's integrated mass transportation system</p>	
 <p>Implementation of the Envigado, Medellín, Itagui integrated mass transportation system</p>	

**These projects are co-financed by the Central Government of Colombia. Includes only funds provided by the Central Government.*



Ecosystem services and biodiversity

11 projects for a total of COP 316 billion or 16% of the portfolio

SDGs



Environmental goals



Climate change adaptation



Natural resource conservation and management



Biodiversity Conservation








Description

- Reforestation, deforestation control, and forest governance.
- Protection, conservation and sustainable use of biodiversity and ecosystem services.
- Protection and conservation of natural resources management.
- Management of ecosystems associated with water provisioning.
- Research and capacity building for the management of ecosystem services and biodiversity.



Ecosystem services and biodiversity

Projects	Indicators
 <p>Strengthening the institutional capacity of National Natural Parks</p>	<ul style="list-style-type: none"> ▪ Hectares reforested
 <p>Scientific investigation of marine and coastal areas.</p>	<ul style="list-style-type: none"> ▪ Hectares of ecosystems conserved or undergoing restoration ▪ Hectares declared as protected areas
 <p>Scientific research on biodiversity and ecosystem services.</p>	<ul style="list-style-type: none"> ▪ Number of research and planning documents
 <p>Consolidation of the Colombian Environmental Information System - SIAC</p>	<ul style="list-style-type: none"> ▪ Number of buildings for the administration, surveillance and control of protected areas
 <p>Strengthening the institutional management of the National Environmental Licensing Authority - ANLA</p>	<ul style="list-style-type: none"> ▪ Hectares of forests that have a forest management plan



Projects	Indicators
Research, conservation and use of the biological, diversity of the Colombian Amazon	<ul style="list-style-type: none"> ▪ Hectares reforested ▪ Hectares of ecosystems conserved or undergoing restoration ▪ Hectares declared as protected areas ▪ Number of research and planning documents ▪ Number of buildings for the administration, surveillance and control of protected areas ▪ Hectares of forests that have a forest management plan
Strengthening of the evaluation and monitoring process of environmental licenses, permits and procedures	
Administration of the areas of the National Natural Parks of Colombia - PNN	
Conservation of biodiversity and ecosystem services	
Strengthening climate change management	
Research on the environmental, socio-productive and cultural reality of Chocó, Antioquia, Cauca, Chocó, Nariño, Valle del Cauca, Risaralda, Córdoba	



Non-conventional energy sources, energy efficiency and connectivity

3 projects for a total of COP 283 billion or 14% of the portfolio

SDGs



Environmental goals



Climate change mitigation



Pollution prevention and control



Description

- Generation, improvement and access to non-conventional energy sources (such as solar, wind, among others).
- Energy efficiency or connectivity.
- Policies, laws and research for the energy transition. Transmission of energy from non-conventional sources.
- Energy storage.



Non-conventional energy sources, energy efficiency and connectivity



Design and structuring of appropriate technological solutions for electricity generation in Non-Interconnected Zones

- Number of photovoltaic power generation units installed, maintained or upgraded
- Number of generation plants expanded, built or upgraded



Development and implementation of sustainable energy projects in Non-Interconnected Zones

- Reduced or avoided CO2 emissions
- Energy consumption savings in MWh/GWh



Supply of electric power service in Non-Interconnected Zones

- Number of technical assistance services for structuring energy projects
- Number of installed non-hydro generation units or sources



Waste and circular economy

1 projects for a total of COP 38 billion or 2% of the portfolio

SDGs



Environmental goals



Climate change adaptation



Climate change mitigation



Pollution prevention and control



Description

- Use, reuse and management of solid waste.
- Technical systems for the management of national information on waste

Project	Indicators
Expansion and improvement of integrated solid waste management in the national territory.	<ul style="list-style-type: none"> ▪ Tons of waste used, reused or recycled ▪ Number of companies assisted in circular economy and sustainability-related themes



Sustainable agricultural production, with low emissions and adapted to climate change

3 projects for a total of COP 28 billion or 1% of the portfolio

SDGs



Environmental goals



Climate change adaptation



Climate change mitigation



Biodiversity Conservation



Natural resource conservation and management



Description

- Silvo-pastoral and agroforestry systems.
- Other primary low emission production activities.
- Protection against climate risks.
- Agroclimatic information and early warning systems
- Sustainable commercial reforestation or soil restoration.
- Sustainable agricultural production focused on protecting ecosystems, biodiversity and water resources.
- Sustainable or low impact agriculture



Sustainable agricultural production, with low emissions and adapted to climate change



Projects	Indicators
<p>Improving the sustainability of agricultural production in the face of national climatic event</p>	<ul style="list-style-type: none"> ▪ Technical support service for the efficient use of natural resources in strategic ecosystems
<p>Strengthening for the development of the national productive forest chain</p>	<ul style="list-style-type: none"> ▪ Reduction of GHG emissions compared to the baseline scenario ▪ Hectares reforested
<p>Development of "climate-smart initiatives" for adaptation to climate change and sustainability in prioritized agricultural production systems.</p>	<ul style="list-style-type: none"> ▪ Hectares under sustainable agroforestry systems ▪ Hectares of commercial forests or established protective plantations



Exclusion Criteria

Any project, asset or expenditure related to the following activities will be excluded from eligible green expenditures, noting that some of these activities are open to sources of financing other than sovereign green bonds:



Exploration, production and distribution of fossil fuels, burning of fossil fuels as the unique source of power generation, or nuclear power generation;



Production or trade in any product or activity considered illegal under national or international laws or regulations, conventions and agreements Colombia is a party to;



Deforestation or forest degradation; and



Alcohol, weapons, tobacco or gambling industries.





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