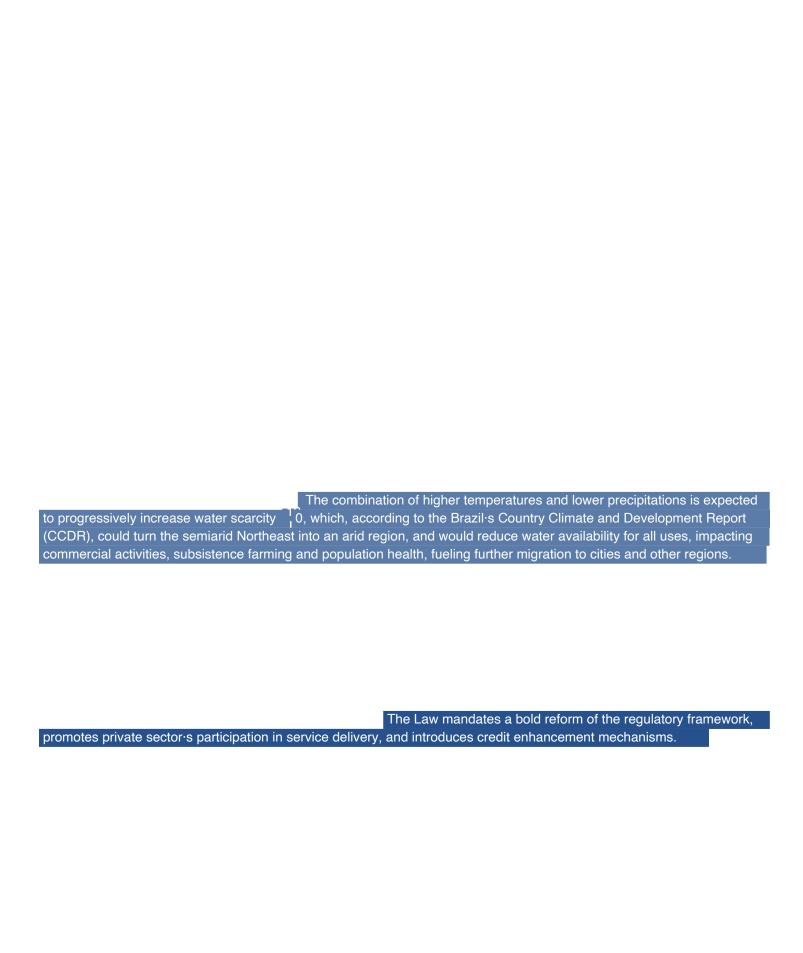
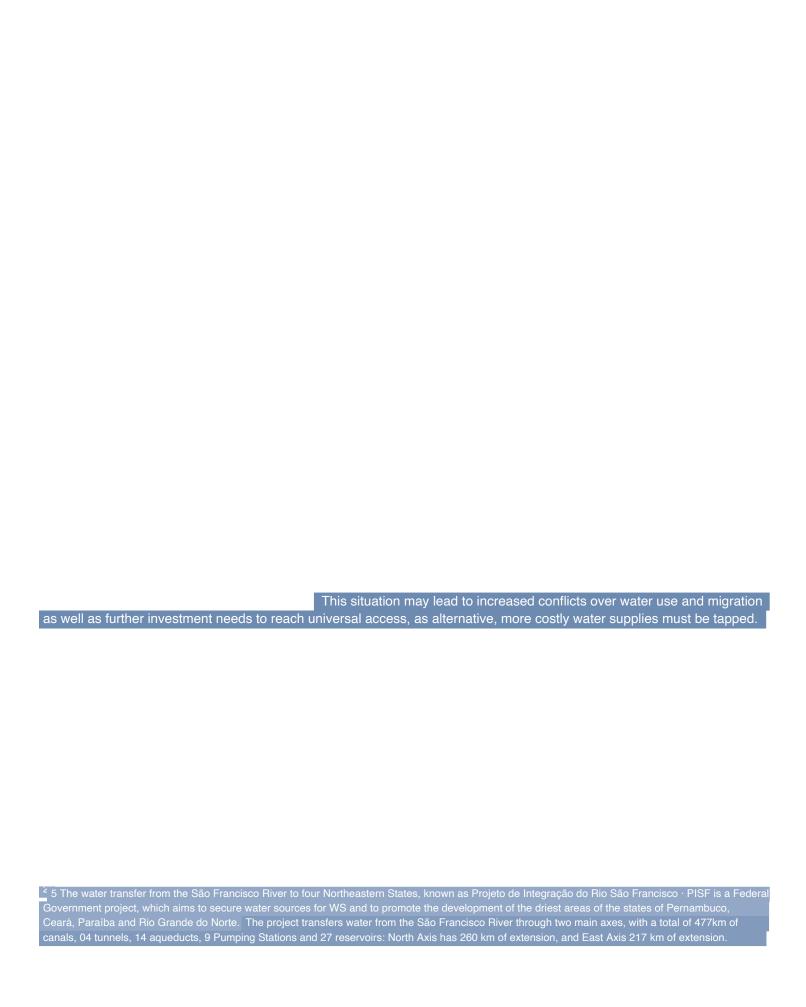
Brazil·s economy continued to recover after negative GDP growth in 2014-2019 and the drastic impact of COVID-
19. After having achieved the rates of 4.8 percent in 2021 and 3.0 percent in 2022, propelled by robust private
consumption, strong labor market, fiscal stimulus, social transfers, and by a favorable external environment benefiting
exports, especially from agriculture, GDP growth slowed to 2.9 percent in 2023. With economic activity slowing since 2023
and 2023·s unusually high agricultural output not being matched in 2024, GDP growth is expected to further moderate to
1.7 percent in 2024. Medium-term growth projections remain at around 2 percent per year based on the expected levels of total factor productivity growth.
The poverty rate fell to 21.3 percent in 2023 (US\$ 6.85 per day), due to improvements in economic conditions
and social protection policies. The Bolsa Familia Program helped reduce poverty: its coverage expanded by two million families, reaching 21.3 million, with the average monthly
transfer increasing from R\$394.48 to R\$670.36. Finally, the real minimum wage increased by 2.8 percent, boosting the
incomes of about 24.5 percent of the households in the bottom 40 percent with at least one formal worker.
Its economy grew at a rate of 2.2 percent/year in real term between 2002 and 2020, slightly
above the national average at 2 percent 2 Over the past 20 years, its GDP per capita grew modestly at 1.1 percent p.a.
This is attributed to rural-urban migration as
cities offer better services, including water supply and sanitation (WSS), and better economic opportunities than rural
areas.







Beyond hydraulic infrastructure, securing water quantity and quality for rural water requires improving the management of water resources, including better knowledge of the sedimentary aquifers capacity, better water monitoring of the rural water sources, better control of water uses in those sources notably through water rights administration and negotiated allocation, developing and implementing drought preparedness and contingency plans for rural water, activities that will be supported by the Project to secure the water sources of its RWSS systems.

To address the challenge of setting-up sustainable management models, the State Government, with support from two IBRD-financed and completed projects (Pernambuco Sustainable Water·PSH (P108654) and the Pernambuco Rural Economic Inclusion Project·PRS or Prorural (P120139)), created a RWS information system with incentives for rural communities to self-register (7,000 communities have registered) and developed a strategy that defines the institutional framework to reach rural universal access $\frac{2}{6}$

			to structure the RWS se	
implementation since 2021, is			RWS systems as well as	substantially increas
investments in the sector to re	ach universal water acces	ss in rural areas		
			decided to start with the	
the semi-professional scheme Supply and Sanitation (Sistem				
states 1	a integrado de cancamei	no Haranje i o model, e	accessiany implemente	d in other brazilian

It directly supports the CPF·s High Level Outcome 2
(·Greater Inclusion of the Poor and Underserved Populations·) and related objective 2.1 ·Improve access to essential
services and products·; High Level Outcome 3 (·A Greener Economy with Reduced Vulnerability to Climate Shocks·) and
related objective 3.1 ·Improve management of natural resources· as well as cross-cutting theme of Governance and
institutions.

Maximizing Finance for Development. During the development of the WSS plans and the Universal WSS strategy alternatives for leveraging private participation will be considered, especially for RWSS and peri-urban areas, mostly lagging behind. In addition, once fully operational, the SISARs should be able to leverage donors and private financing for RWSS investments as happened in the State of Ceará

The Project Development objectives (PDOs) are to increase access to sustainable, safely managed drinking water supply and improved sanitation. In selected rural communities and to build the Borrower's capacity to reach universal RWSS services

PDO Level Indicators

- Rural people benefiting from access to safely-managed drinking water supply from climate-resilient water source (number), disaggregated by gender and race/ethnicity (percentage)
- Rural people provided with at least basic sanitation services (Number), disaggregated by gender and race/ethnicity (percentage)

6 Safely managed drinking water · as per the Joint Monitoring Program for Water Supply and Sanitation·s (JMP) standards · is drinking water from an improved water source that is accessible on premises, available when needed and free from contamination, whereas Basic drinking water is drinking water from an improved source that is , provided collection time, including queuing is no more than 30 minutes.

	The Project is a steppingston	e towards addressing one of the most crit	tical
		ging climate and of high relevance to its Sewater supply and sanitation services in r	
The proposed Project is a US\$1 IBRD loan and US\$23 million in State co	13 million Investment Project Financounterpart fundເຊື່ອ	cing (IPF) operation, financed by a US\$90) millio
Subcomponent 1.1 ·Increase ac	cess to safely-managed RWS and in	mproved on-site sanitation solutions with	
climate-resilient designs (US\$69.50 milli funds).	on of which US\$66.50 million IBRD	financing and US\$3 million counterpart	

No rehabilitation 5 of existing dams nor construction of new dams will be eligible for

financing.

Subcomponent 1.3 · Innovate with climate-resilient, safely-managed RWSS pilot solutions for universal access (US\$0.97 million, fully IBRD financed). The subcomponent will implement innovative technical and management pilot solutions to prepare for climate-resilient, universal access in those rural water supply market segments not covered by SISARs (especially small villages and scattered housing) and to transition fully to safely managed sanitation designed to be resilient to increased scarcity, floods and droughts (design elements detailed in the Technical Analysis section). Financed activities include development of studies and designs for water scarcity, flood and drought resilience, implementation of pilots, monitoring of results, evaluation for replicability and scalability, incorporation in RWSS strategy and investment plans developed under 2.1.

This component

aims at building the capacity of the public and private, not-for-profit entities (State, SISAR, community·s associations) that have a key role in delivering sustainable, safely managed, and flood and drought-resilient RWS and improved sanitation solutions to reach universal and climate-resilient access.

This

includes, inter alia: (i) the construction or renovation and equipment of APAC·s headquarters and two regional offices to increase its presence in the field and its working environment taking into account climate dimensions; (ii) the promotion of a public awareness campaign to increase water users· registration and water rights emission; (iii) the development of hydrogeological studies of sedimentary aquifers to identify drought resilient sources; (iv) the strengthening of hydromet monitoring 4 8 to better manage rural water sources, improve drought and flood forecasting and climate projections; (v) the development of a state-wide drought preparedness plan, (vi) the carrying out of feasibility studies for urban riverfront park to improve riverfront public access and recreational use as well as improve river and banks ecological state; and (vii) the design and implementation of hydraulic infrastructure and sanitation planning platform.

The Project will also build

the State institutional capacity (SESAN COMPESA APAC) to deliver sustainable, universal RWSS access, ultimately benefiting Pernambuco·s entire rural population, estimated at 1.6 million people. Moreover, the strengthening of APAC·s capacity to implement its WRM, dam safety and PISF functions should indirectly benefit, both rural and urban populations (about 10 million people), as well as most of the economic activities on which they rely for their livelihood.

and the Northeast overall and its extensive glosupporting the State of Pernambuco in reaching assistance, particularly in advising the State of through the strengthening of SISARs, participal adaptation, and provide technical, manasustainability and delivering added value to lose	ng its universal WSS acces on ways to enhance the sus atory approaches, commun gerial, operational, and	and WRM, the Bank car ss goal in rural areas the stainability of RWSS inventing the participation, climate	play a unique role in rough lending and technical estments, in particular echange mitigation and
	More specifically U	JNICEF is supporting mu	unicipal governments to
increase water access (mostly) and sanitation		and menstrual health in s	schools.
partnerships for RWSS interventions and is pl	lanning to fund a few RWS		on fosters public-private

strategies, policies and public investment programs to reach universal access, as well as to monitor and

evaluate progress and impacts of those programs and improve them along the way.

However, this is fundamental information to design RWSS

For

this reason, the Project commits to at least reaching basic sanitation while striving to provide safely managed solutions where possible by promoting knowledge exchanges; piloting solutions successfully implemented and scaled-up elsewhere; including suitable arrangements for their O&M and financing, in order to find solutions that could be replicated and considered in the WSS plan and universal RWSS strategy.

access, possib	Moreover, itis co	nsidering the Proje ical MPA, and is c	ct as a stepping-s urrently mobilizing	tone to prepare a I financing from oth	arge RWSS program er sources that will fo	for universal bllow the
Project·s appro						

	Investment needs exceed Project·s financial capacity, so a set of eligi	bility
and prioritization criteria were developed.		
tariff structure, investment needs, number sustainability (or maturity) while providing qu	re being carried out for the first two SISARs that are operational to definer of connections and minimum SISAF capacity in order to reach ality service provision, and thereby better calibrate the level of efforts	
needed from the State to support the SISAR	schemes.	
The bidding process of a first batch of sanita recently received RWS systems financed with	tion works will occur early into implementation in communities that have the counterpart funds.	

Component 1 finances the construction, rehabilitation and expansion of RWSS systems, including drinking water treatment, and on-site sanitation facilities (toilets and septic tanks).

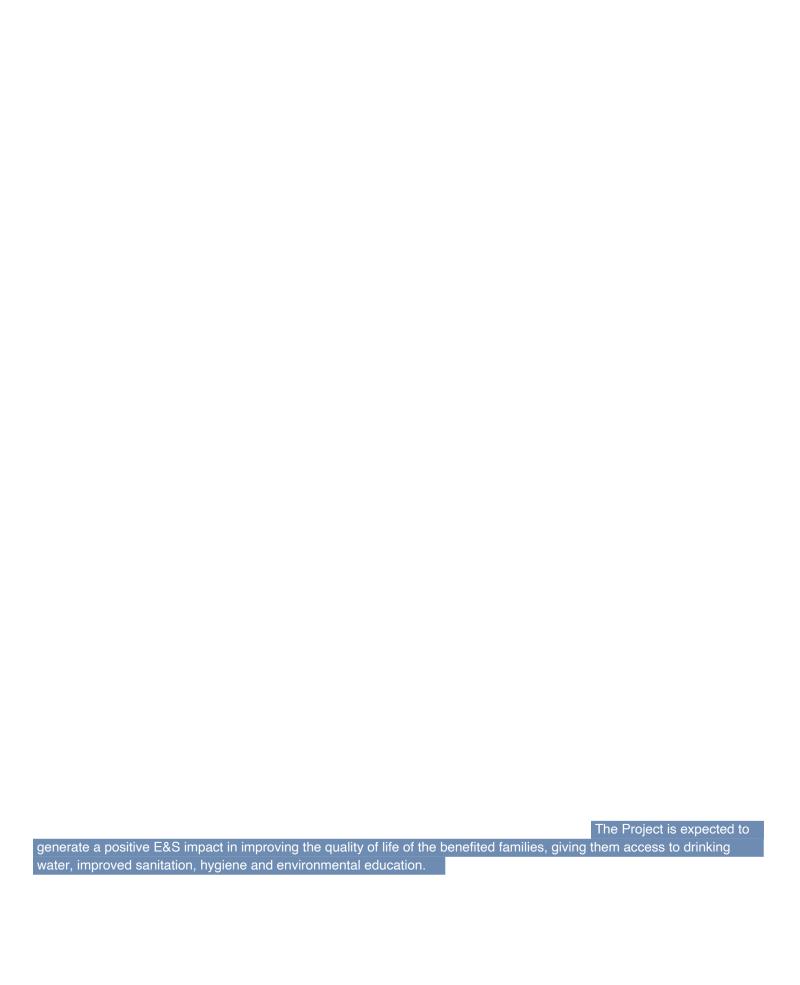
The Project will not finance any large-scale

anaerobic treatment plants with high unabated methane emissions or sanitation systems that significantly rely on the use of on-site fossil fuels.

Component 2 finances non-physical investments aimed at strengthening the capacity for the sustainable management of rural WSS systems and their water sources, including education and capacity building, emergency preparedness and hydro-meteorological observation networks which are in the Universally Aligned List. It also finances the rehabilitation of APAC·s regional offices and headquarters which will include energy efficient design.

Its

If overall benefits are reduced by 30 percent, the EIRR is still 19 percent and the NPV US\$109 million; likewise, with a cost overrun rate of 30 percent, the Project remains viable with an EIRR of 18 percent and a NPV of US\$137 million.
Given that these SISARs will be set up in rural low-income areas, it is worth noting that the financial objective is to cover Operations and Management (O&M) costs, not to recover capital investments. The goal is to make the SISARs sustainable, by been able to cover their O&M costs, while keeping WSS services affordable for households living below
the poverty line.
assessment concluded that SHRS has sufficient capacity to fulfill its FM responsibilities for the Project as the FM systems are adequate to provide reasonable assurance that the Projects funds will be used for the intended purposes, with due attention to the principles of economy, efficiency, effectiveness, transparency, and accountability, and with the implementation of the proposed mitigating measures and agreed actions to strengthen the FM systems.



Soft activities, i.e., preparation of feasibilit			
refurbishment, acquisition of goods, and development Low Risk.	nent of a hydraulic and sa	initation planning platform	are considered of
		nce the construction of nev	
rehabilitation of existing dams, but it will rely on th some RWS systems financed by the Project.	e performance of existing	dams which will be the wa	ater sources for



These reforms

may slow-down Project implementation and, in the case of Compesa·s increased private participation, may reduce its support to the SISARs, to which it is, along with SESAN, providing technical expertise and subsidies during their incubation phase.

The Project will not finance the

construction of new dams, nor the rehabilitation of existing dams, but it will rely on the performance of existing dams which will be the water sources for some RWS systems financed by the Project.

RESULTS FRAMEWORK AND MONITORIN

@#&OPS~Doctype~OPS^dynamics@padannexresultframework#doctemplate

PDO Indicators by PDO Outcomes

Baseline	Closing Perior
Increase access to sustainab	ole, safely managed, climate-resilient drinking water supply
Rural people benefiting from access to safely-managed drinking water supply	from climate-resilient water source (number), disaggregated by gender and race/ethnicity (Number)
Nov/2023 3	Jun/2032
(0	48,000 0
· Rural people benefiting from access to safely-managed drinking water su	pply from climate-resilient water source by gender and race/ethnicity (Text)
Nov/2023 3	Jul/2032
Not applicable.	Percentage of Project beneficiaries per gender and race/ethnicity
SISAR Service Quality Index (Text)	
Nov/2023 3	Jun/2032
Not applicable e	Goot d
Incr	rease access to improved sanitation
· People provided with at least basic sanitation services , disaggregated by ge	ender and race/ethnicity.



2021, 84 percent of Brazilians had access to adequate water supply, with the Northeast region lagging behind with 75 percent access to water and 30 percent to sanitation.



services is still a reality in Pernambuco, so the Project envisages the implementation of bathrooms with adequate sanitary solutions, and treatment.