

PROJECT: 0898 Construction and Rehabilitation of the San Antonio de los Buenos WWTP

SECTOR:
Water and Environment

SUBSECTOR:
Water sanitation

STAGE ANALYZED:
Preinvestment

YEAR OF UPDATE:
2021

[Guide to read this datasheet](#) 


Project's sustainability summary: The project consists in the rehabilitation of a wastewater treatment and sanitation plant in the municipality of Tijuana to comply with environmental legislation and international agreements, as well as to increase its treatment capacity improving the existing infrastructure. It proposes power cogeneration for the plant's self-supply, transforming sludge and organic waste into biogas.



ECONOMIC AND FINANCIAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES

Sustainability criteria	NA	T1	T2	T3
Economic and social returns		█	█	
Creation of employment opportunities and boost local productivity		█		
Financial sustainability of assets		█		
Detailed risk analysis		█		
Cash flow transparency and creditworthiness	█			
Infrastructure asset maintenance and optimal use		█	█	
Sustainability incentives	█			



ENVIRONMENTAL SUSTAINABILITY AND CLIMATE RESILIENCE

EXAMPLE OF GOOD PRACTICES

Proposes power cogeneration from biogas, and a participatory environmental monitoring program between federal and local governments, academy and the private sector.

Sustainability criteria	NA	T1	T2	T3
Greenhouse gas emissions		█	█	
Climatic risks, resilience and disaster management		█		
Impacts on biodiversity and native flora and fauna in the region		█	█	
Environmental impact of the project		█	█	█
Control and monitoring of pollutants		█	█	█
Efficient use of resources and recycling strategies		█	█	
Efficient use of energy and renewable sources		█	█	
Preservation or enhancement of public spaces	█			



SOCIAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES

Sustainability criteria	NA	T1	T2	T3
Reduction of poverty and access to basic services		█		
Integration of communities and other interested parties	█			
Integration of people with disabilities or special needs	█			
Effects of the project in the security of the region and in the health of workers and nearby communities		█	█	
Compliance with human and labor rights	█			
Cultural heritage and indigenous people	█			
Gender inclusion and women's economic empowerment through the project	█			
Equal distribution of benefits and compensations to communities	█			



INSTITUTIONAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES

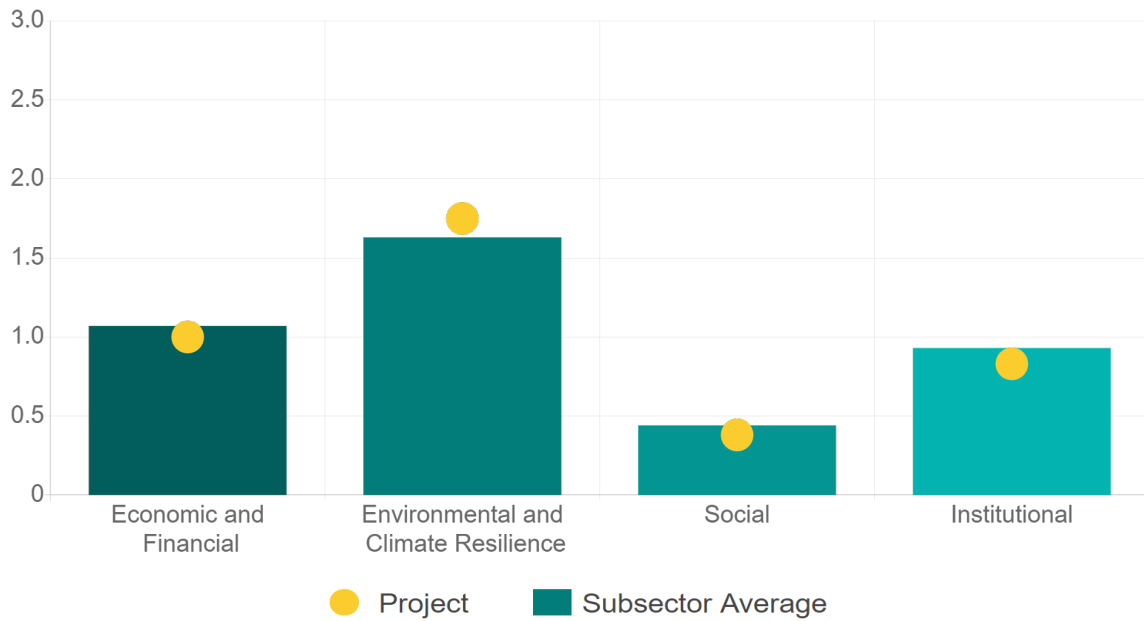
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies		█		
Sectoral and institutional integration		█	█	
Transparency and anti-corruption protocols	█			
Legal requirements and compliance with social and environmental policies	█			
Development of more sustainable technologies and capacities		█		
Pre-existing conditions and their monitoring		█		

Source of this project: Cost-Benefit Analysis / Technical Feasibility / Economic Feasibility / Legal Feasibility / Environmental Feasibility / Environmental Impact Assessment



Comparison of this project vs other projects of the same subsector

(Number of projects included: 2)



Methodological framework defined by the Inter-American Development Bank (IDB)

View



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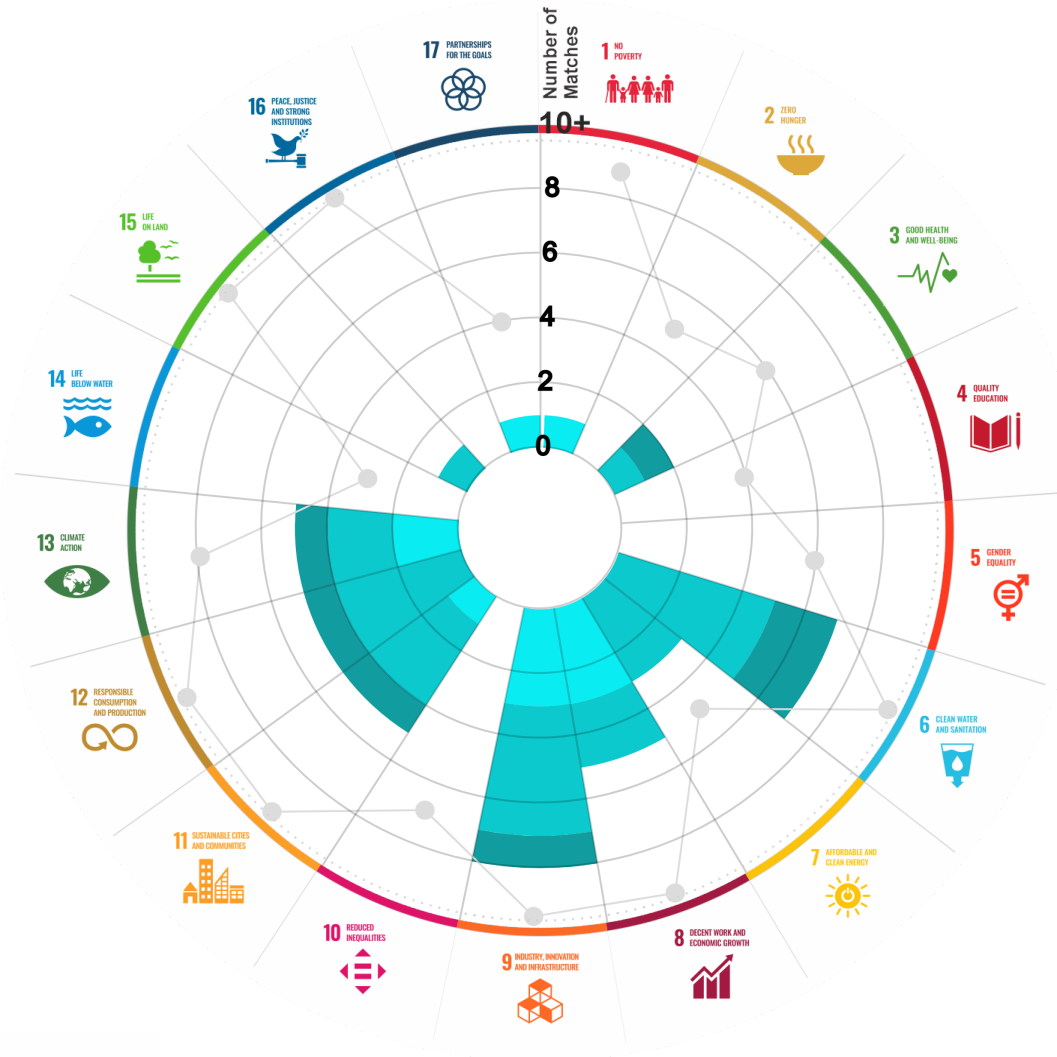
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment that considers and promotes sustainable development.

Reading guide [View](#)

1. ALIGNMENT BY SUBSECTOR



2. ALIGNMENT BY SDG



3. ALIGNMENT BY CRITERIA AND TARGETS

[View](#)



Explanation of the alignment of the sustainability criteria and the SDGs.

[View](#)



The tonality of the bars represents the level of detail of the information available from the IDB criteria and its potential alignment for each SDG, based on the scale: N.A., TIER 1, TIER 2 or TIER 3.



Number of times the project information coincides with the alignment of the IDB criteria and the SDGs.



Approximate reference to the number of maximum alignments a project can have between the IDB criteria and the targets of the SDGs.

P R O J E C T

DESIGN, CONSTRUCTION, EQUIPMENT, OPERATION AND MAINTENANCE OF THE SAN ANTONIO DE LOS BUENOS WASTEWATER TREATMENT PLANT, IN THE STATE OF BAJA CALIFORNIA.

SECTOR: WATER AND ENVIRONMENT
SUBSECTOR: WATER SANITATION

Type of Investment: Brownfield

Short Name of the Project: 0898 Construction and Rehabilitation of the San Antonio de los Buenos WWTP

Contract Currency:	Estimated Investment MXN	Estimated Investment USD	Exchange rate (USD/MXN) used by the Ministry of Finance for the economic plan 2023 \$ 20.6
Mexican Pesos MXN	\$ 539,200,000	\$ 26,174,757	

DESCRIPTION

The Project consists of the improvement and rehabilitation of the current treatment process at the San Antonio de los Buenos Wastewater Treatment Plant, Tijuana. The foregoing with the aim of solving the problems that arise as a consequence of the non-operation of pre-treatment, lack of preventive maintenance, dusty lagoons and the lack of compliance with federal regulations in the discharge of the treated flow into the Pacific Ocean. The project proposes the construction of 3 modules of 400 l / s with flexibility to be implemented in stages with a type of treatment using Oxidation Ditches. This treatment process generates a large quantity of sludge, making energy cogeneration viable.

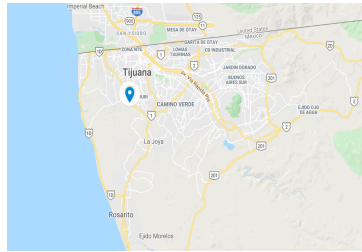
Contract Scope: Design, Construction, Equipment, Operation, Maintenance

Type of Project: Public / Private **Selection Process:** International Open Tender **Term:** 20 years

Type of Contract: State PPP **Payment Source:** Project revenues

Asset (s): Wastewater Treatment Plant 1,200 litres per second (l/s)

GEOLOCATION



SPONSOR



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Gobierno Estatal

Department
Comisión Estatal de los Servicios Públicos de Tijuana
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TIMELINE



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