

**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

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

SECTOR:	SUBSECTOR:	STAGE ANALYZED:	YEAR OF UPDATE:
Water and Environment	Water sanitation	Preinvestment	2021

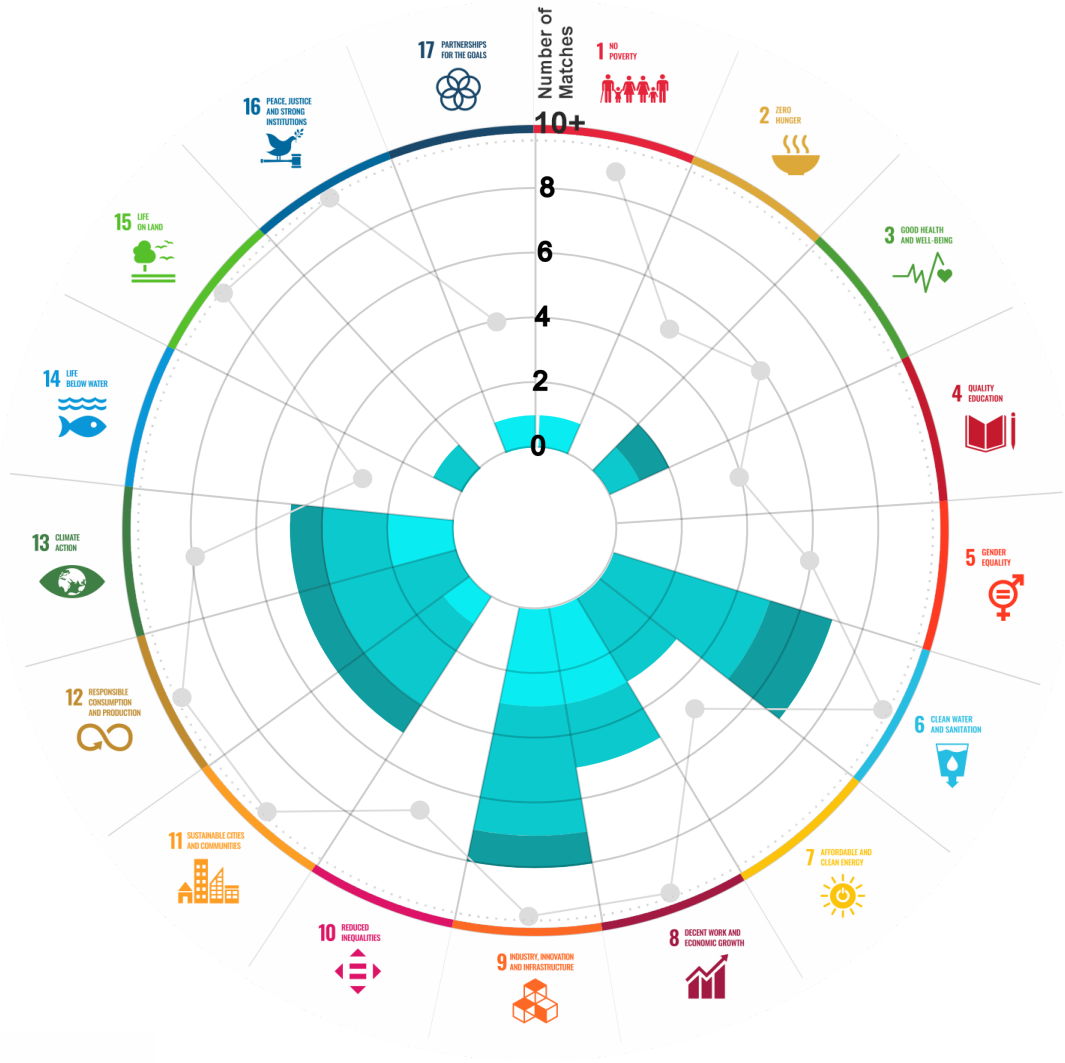
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

## 1. ALIGNMENT BY SUBSECTOR



## 2. ALIGNMENT BY SDG



## 3. ALIGNMENT BY CRITERIA AND TARGETS

[View](#)

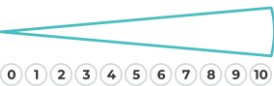


Explanation of the alignment of the sustainability criteria and the SDGs.

[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.

## PROJECT

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

 Banobras/Fonadin involvement

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

Contract Currency:  
Mexican Pesos MXN

Estimated Investment MXN  
\$ 667,451,779

Estimated Investment USD  
\$ 39,032,267

Exchange rate (USD/MXN) used by the Ministry of Finance for the economic plan 2024 \$ 17.1

### 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.

(\*) Project with Banobras and/or National Infrastructure Fund (Fonadin) involvement or support.

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

Type of Project: Public / Private

Selection Process: International Open Tender

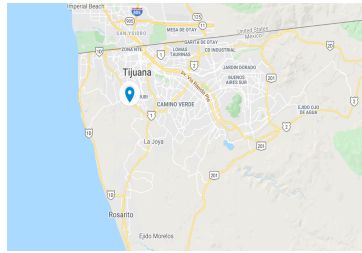
Term: 20 years

Type of Contract: State PPP

Payment Source: Project revenues

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

### GEOLOCATION



### SPONSOR



#### Entity

Gobierno Estatal

#### Department

Comisión Estatal de los Servicios Públicos de Tijuana  
Dirección General

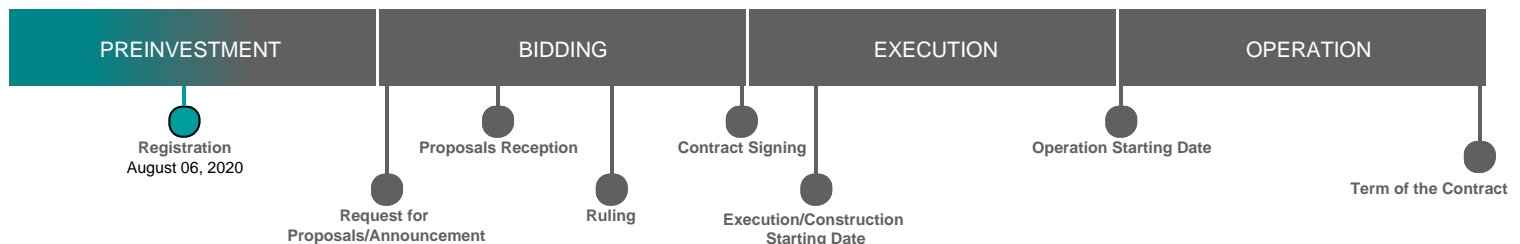
#### Contact

Rigoberto Laborín Valdez

#### E-mail

rigoberto.laborin@cespt.gob.mx

### TIMELINE



Email: [proyectosmexico@banobras.gob.mx](mailto:proyectosmexico@banobras.gob.mx)



**SHCP**  
SECRETARÍA DE HACIENDA  
Y CRÉDITO PÚBLICO

**BANOBRAS**  
BANCO NACIONAL DE OBRAS  
Y SERVICIOS PÚBLICOS S.N.C.