



**PROJECT:** 0598 WWTP Atotonilco

**SECTOR:**  
Water and Environment

**SUBSECTOR:**  
Water sanitation

**STAGE ANALYZED:**  
Operation

**YEAR OF UPDATE:**  
2020

[Guide to read this datasheet](#) 


**Project's sustainability summary:** The Project allows the treatment of the wastewater of 12.6 million residents in the Metropolitan Area of the Valley of Mexico. Among the several benefits is the reuse of treated water for agricultural irrigation and the reduction of greenhouse gases, since the plant has a cogeneration system for electrical energy that uses methane gas from sludge digestion residual.



**ECONOMIC AND FINANCIAL SUSTAINABILITY**

**EXAMPLE OF GOOD PRACTICES**  
An economic benefit of the Project is the use of land for crops that are not currently cultivated due to irrigation restriction.

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**  
The Project has a cogeneration system for electrical energy and heat for internal consumption and it seeks to mitigate the overexploitation of the aquifers.

Sustainability criteria	NA	T1	T2	T3
Greenhouse gas emissions	█			
Climate risks, resilience and disaster risk 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**  
The Project is a measure to mitigate the health impacts on human settlements in the Area, since it provides access to the service of wastewater sanitation.

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**  
The Project will produce works of social benefit, such as job training centers, particularly the creation of the Institute for the Training of Industrial Work.

Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies		█	█	
Sectoral and institutional integration		█		
Corporate sustainability, management and governance	█			
Transparency and anti-corruption protocols	█			
Legal requirements and compliance with social and environmental policies		█		
Development of more sustainable technologies and capacities	█			
Knowledge transfer in matters related to sustainability		█		
Pre-existing conditions and their monitoring		█	█	█

Source of this project: Wastewater Treatment Plant of Atotonilco: Environmental Impact Assessment / WWTP Atotonilco Documentary Memory



### Comparison of this project vs other projects of the same subsector

(Number of projects included: 6)



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

[View](#)



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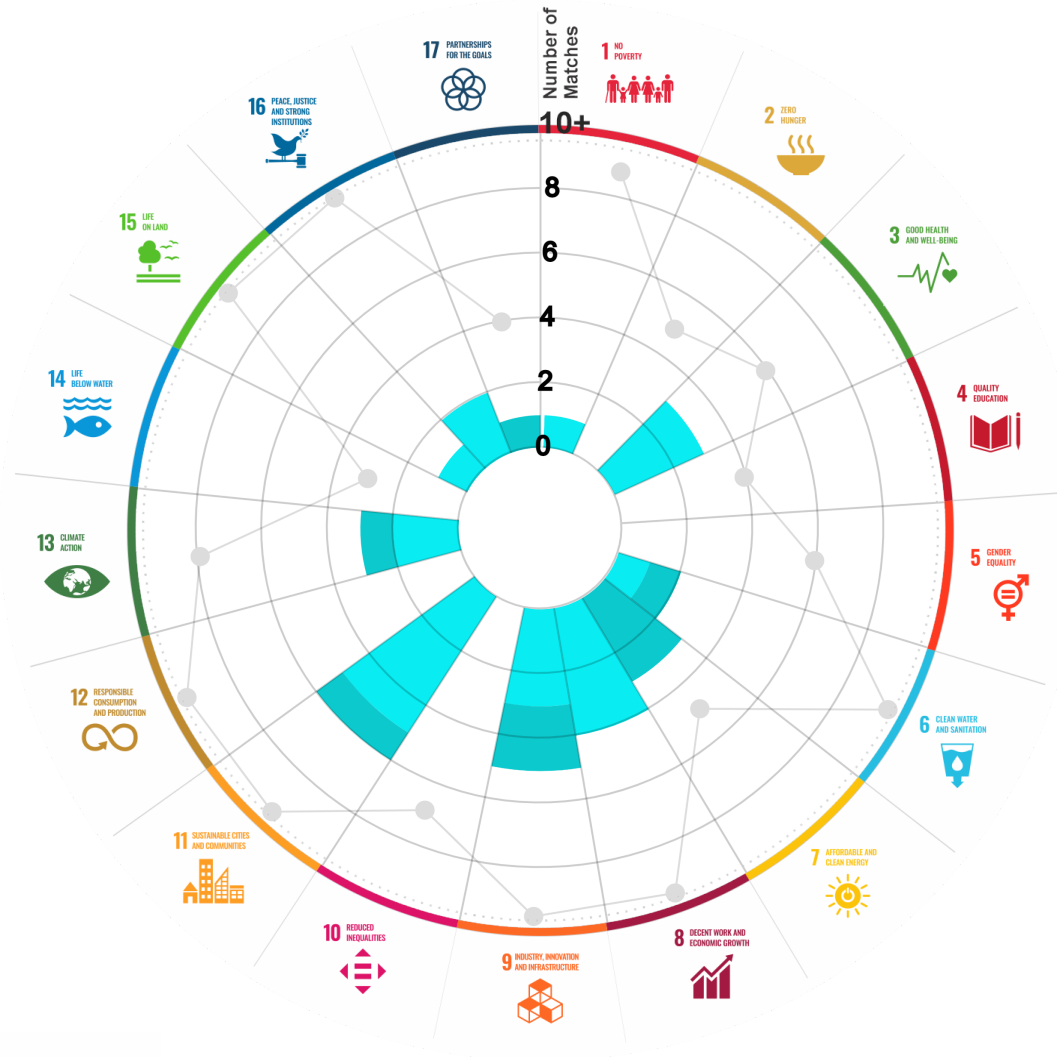
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

## 1. ALIGNMENT BY SUBSECTOR



## 2. ALIGNMENT BY SDG



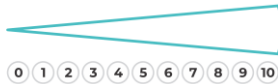
## 3. ALIGNMENT BY CRITERIA AND TARGETS

[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.

# PROJECT

DESIGN, CONSTRUCTION, EQUIPMENT, OPERATION AND MAINTENANCE OF THE ATOTONILCO WASTE WATER TREATMENT PLANT IN HIDALGO.

SECTOR: WATER AND ENVIRONMENT  
SUBSECTOR: WATER SANITATION

Type of Investment:	Brownfield		
Short Name of the Project:	0598 WWTP Atotonilco		
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	\$ 10,260,216,276	\$ 498,068,751	

## DESCRIPTION

The project consists of the construction of the Atotonilco Wastewater Treatment Plant (WWTP), in Hidalgo. It has a treatment capacity of 35,000 l/s. The WWTP is designed to treat about 60% of the water wasted generated in Mexico's Valley.

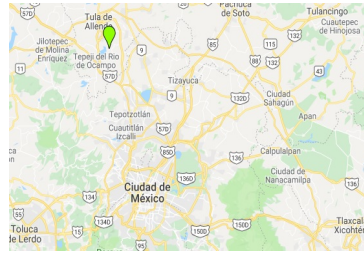
(\*) Project with Banobras and/or National Infrastructure Fund (Fonadin) involvement or support.

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

Type of Project:	Public / Private	Selection Process:	International Open Tender	Term:	25 years
Type of Contract:	Provision of services	Payment Source:	Budgetary		

**Asset (s):** Wastewater Treatment Plant 35,000 litres per second (l/s)

## GEOLOCATION

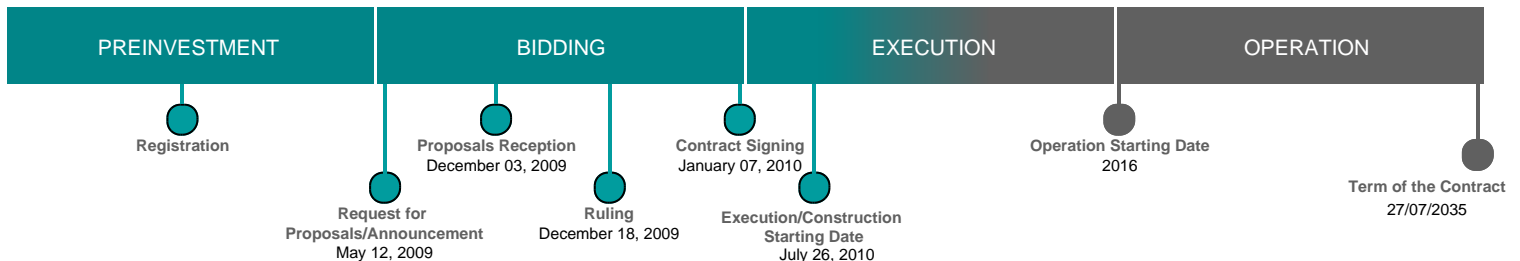


## SPONSOR



<b>Entity</b>	Comisión Nacional del Agua
<b>Department</b>	Coordinación de Proyectos Especiales de Agua y Saneamiento
<b>Contact</b>	Coordinador General, Ildefonso Gonzalez Morales
<b>E-mail</b>	Ildefonso.gonzalez@conagua.gob.mx

## TIMELINE



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



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