



PROJECT: 0912 Expansion of the “El Ahogado” WWTP

SECTOR:
Water and Environment

SUBSECTOR:
Water sanitation

STAGE ANALYZED:
Bidding

YEAR OF UPDATE:
2022

[Guide to read this datasheet](#) 

Project's sustainability summary: The purpose of the project is the sanitation of the El Ahogado basin through the modernization of the disinfection system and the expansion of the WWTP with 1,000 lps for the treatment of wastewater emitted in the metropolitan area of Guadalajara, benefiting more than 5.2 million inhabitants. It considers the use of biosolids for the generation of electricity.



ECONOMIC AND FINANCIAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES
Considers energy efficiency criteria in the bidding process evaluation.

Sustainability criteria	NA	T1	T2	T3
Economic and social returns				
Creation of employment opportunities and boost local productivity				
Financial sustainability of assets				
Value for money principle				
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
Includes the generation of electrical power through the use of biosolids, as well as the implementation of more environmentally friendly disinfection technologies.

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

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 bidding process incorporates the figure of Social Witness.

Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies				
Sectoral and institutional integration				
Corporate sustainability, management and governance				
Transparency of the process				
Corruption and mitigation process				
Compliance with social and environmental policies				
Training development in aspects related to sustainability				
Pre-existing conditions and their monitoring				

Source of this project: Bidding Bases / Award Criteria / Environment Impact Manifestation / Resolution / Communications SGPA-DGIRA-DG-5592-0911 / Appendix 1 Definitions / Appendix 2 Technical Aspects / Appendix 3 Financial Aspects / Appendix 4 Technical Proposal / Appendix 6 CAPP Model / Annex ET 2 Water Quality / Annex ET 5 AH Civil Works / Annex ET 6 AH Electrical Works / Annex ET 7 AH Mechanical Works [Show more...](#)



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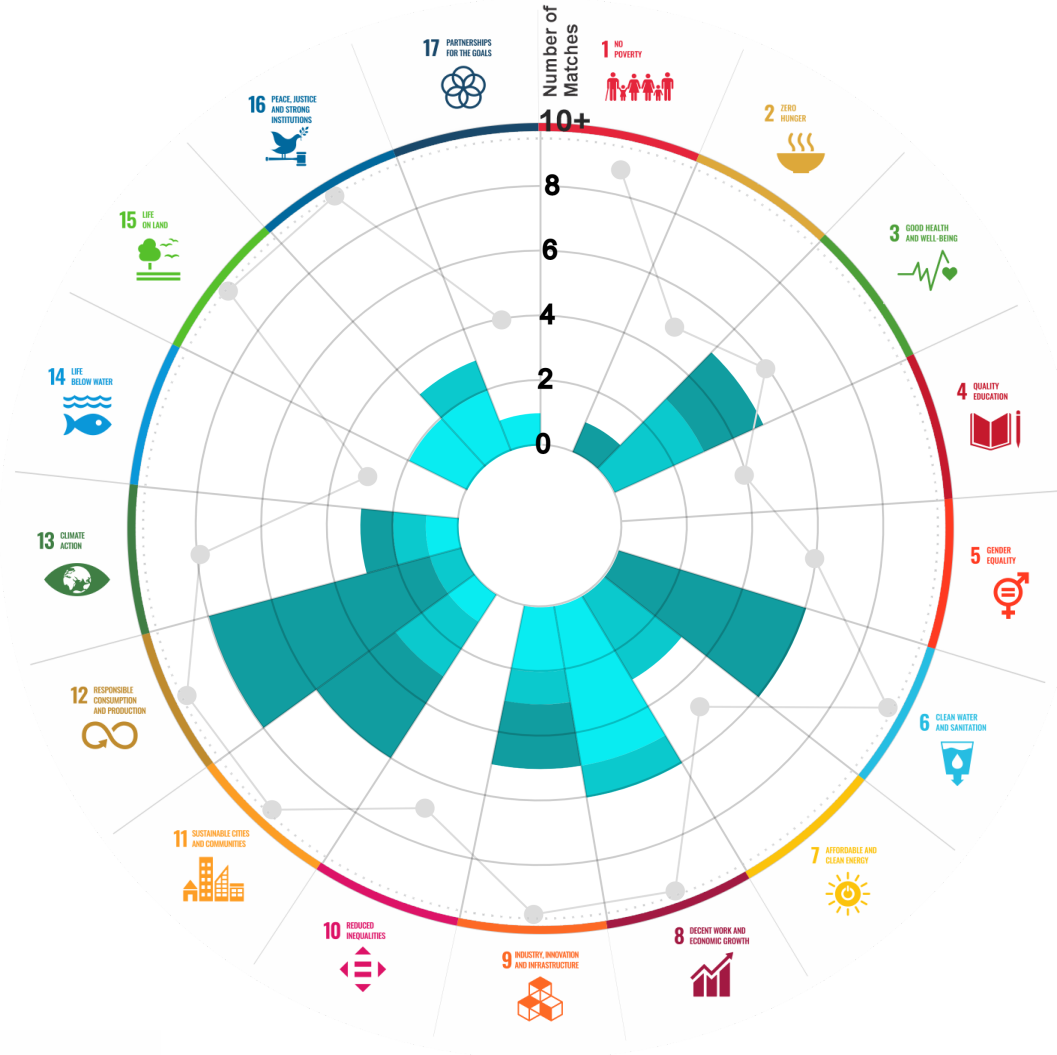
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

1. ALIGNMENT BY SUBSECTOR



2. ALIGNMENT BY SDG



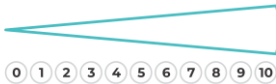
3. ALIGNMENT BY CRITERIA AND TARGETS

[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, CONSERVATION AND MAINTENANCE OF THE "EL AHOGADO" WASTEWATER TREATMENT PLANT EXPANSION, IN THE STATE OF JALISCO.

SECTOR: WATER AND ENVIRONMENT
SUBSECTOR: WATER SANITATION

Type of Investment: Greenfield Green Project

Short Name of the Project: 0912 Expansion of the "El Ahogado" WWTP

Contract Currency:	Estimated Investment MXN	Estimated Investment USD	Exchange rate (USD/MXN) used by the Ministry of Finance for the economic plan 2022 \$ 20.3
Mexican Pesos MXN	\$ 1,157,075,985	\$ 56,998,816	

DESCRIPTION

The Expansion of the "El Ahogado" WWTP includes the design, construction, electromechanical equipment, performance and capacity tests, operation, conservation and maintenance of the necessary infrastructure to expand the biological treatment with nutrient removal in a design flow of 1,000 liters per second (l/s).

In addition, includes the filtration and disinfection with ozone of a flow of 3,250 liters per second (l/s), corresponding to the 2,250 liters per second (l/s) currently being treated in the WWTP "El Ahogado" and the 1,000 liters per second (l/s) of the extension; as well as the removal and final disposal of biosolids and solids generated in the monofill.

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

Type of Project: Public / Private **Selection Process:** Open Domestic Bidding **Term:** 20 years

Type of Contract: State PPP **Payment Source:** Rate

Asset (s): Wastewater Treatment Plant 1,000 litres per second (l/s)

GEOLOCATION



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Entity
Gobierno Estatal

Department
Comisión Estatal del Agua del Estado de Jalisco

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