

PROJECT: 0907 Tunal II Dam in Durango, Dgo.

SECTOR:
Water and Environment

SUBSECTOR:
Water Supply

STAGE ANALYZED:
Preinvestment

YEAR OF UPDATE:
2021

[Guide to read this datasheet](#) 

Project's sustainability summary: The purpose of the project is to supply quality water to the inhabitants of the city of Durango, given the high levels of fluoride and arsenic in the wells that currently supply water to the city. Likewise, it will avoid the overexploitation of aquifers and proposes waste recycling strategies during the construction

 **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
The project will implement good engineering practices, as well as recycling, reduction and reuse of waste, generated during the construction.

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

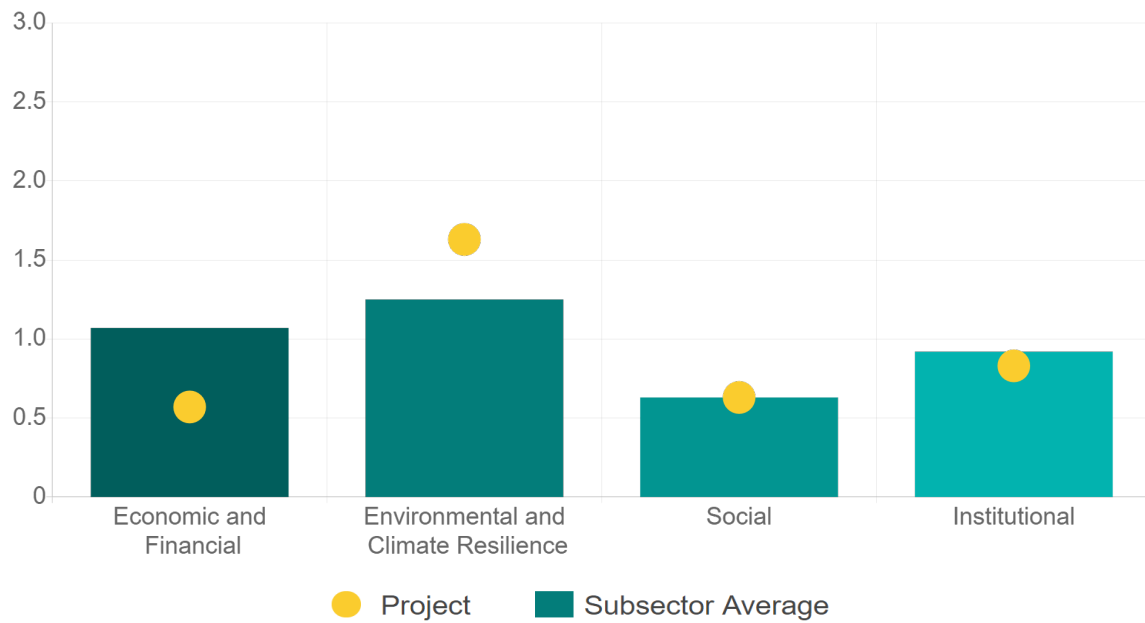
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies		█		
Sectoral and institutional integration		█	█	
Transparency and anti-corruption protocols	█			
Legal requirements and compliance with social and environmental policies		█		
Development of more sustainable technologies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

Source of this project: Executive Plan / Executive Overview / Cost-benefit Analysis / Economic Feasibility Study / Technical Feasibility Study / Legal Feasibility Study / Environmental Impact Assessment / MIA Resolution / Independent Opinion



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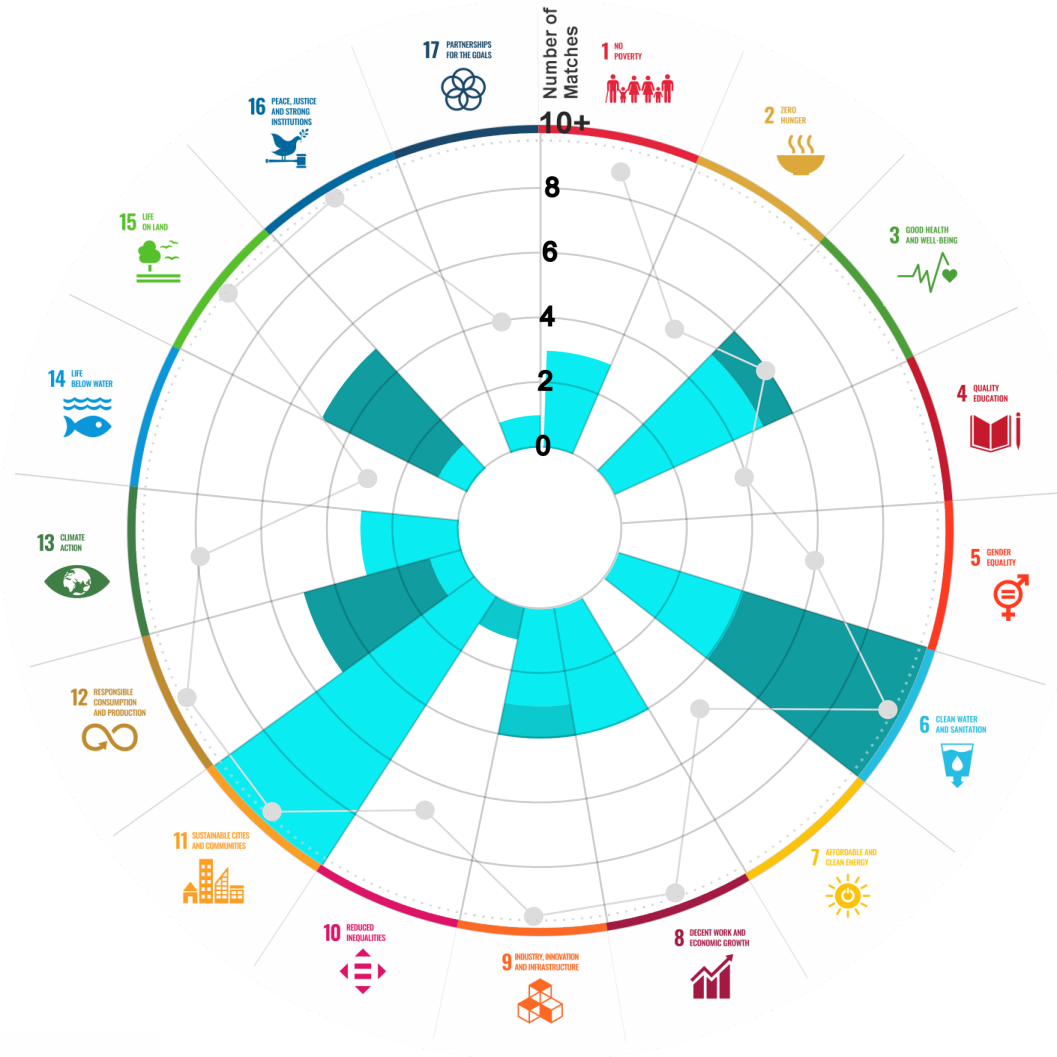
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

1. ALIGNMENT BY SUBSECTOR



2. ALIGNMENT BY SDG



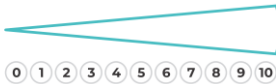
3. ALIGNMENT BY CRITERIA AND TARGETS

[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, EXTENSION, EQUIPMENT, INSTALLATION, OPERATION, MAINTENANCE AND EXPLOITATION, OF THE TUNAL II DAM AND COMPLEMENTARY WORKS FOR THE SUPPLY OF DRINKING WATER FOR THE CITY OF DURANGO, IN THE STATE OF DURANGO.

SECTOR: WATER AND ENVIRONMENT
SUBSECTOR: WATER SUPPLY

Type of Investment:	Greenfield		
Short Name of the Project:	0907 Tunal II Dam in Durango, Dgo.		
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	\$ 3,894,037,962	\$ 189,030,969	

DESCRIPTION

The integrated project consists of the design, construction, expansion, equipment, installation, operation, maintenance, and exploitation of the Tunal II Dam, a water treatment plant, an aqueduct and complementary works to bring water to the city of Durango, Durango.

The dam will supply surface water with the Guadalupe Victoria Dam, and with the Santiago Bayacora Dam, in a near future, through an intake work to the pumping plant that will lead this resource through a pressure line to the water treatment plant for treatment, and from there it will be transported by the gravity line to the twin macro-tanks located in "Cerro de los Remedios", to begin its distribution to the city's water network.

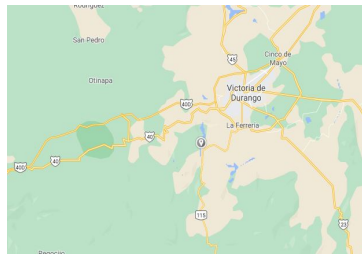
The water network considers the construction of 14 regulation and storage tanks, of which 11 have been built. To the date, 3 macro-tanks are needed to built: Nororiente, Mercado and Contreras. The macro-tank El Conejo is already built, but not in service.

Contract Scope: Design, Construction, Extension, Equipment, Installation, Operation, Maintenance, Exploitation

Type of Project:	Public / Private	Selection Process:	International Open Tender	Term:	24 years
Type of Contract:	- NA -	Payment Source:	Project revenues / Rate		

Asset (s): Dam 126 hm3/año, Aqueduct 9 KM, Drinking Water Treatment Plant 2,750 litres per second (l/s)

GEOLOCATION



SPONSOR



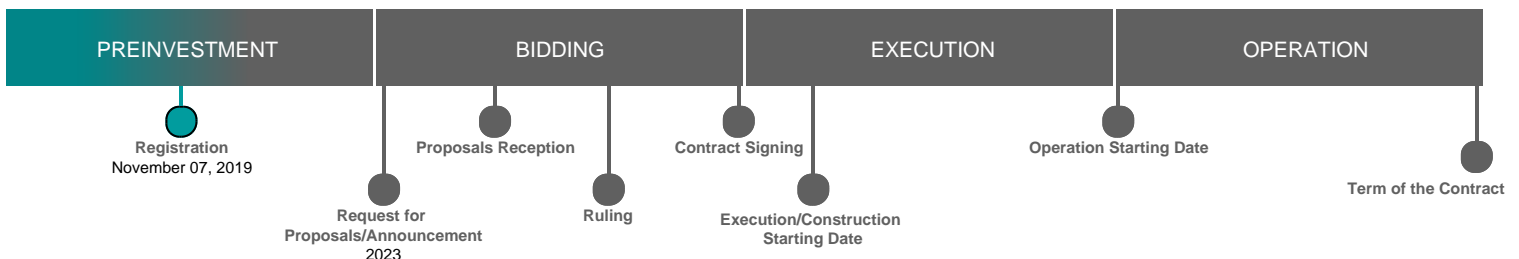
Entity
Gobierno Estatal

Department
Comisión del Agua del Estado de Durango
Directora General

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