



**PROJECT:** 0942 Durango Potabilization Plant

**SECTOR:**  
Water and Environment

**SUBSECTOR:**  
Water Supply

**STAGE ANALYZED:**  
Bidding

**YEAR OF UPDATE:**  
2024

[Guide to read this datasheet](#) 

**Project's sustainability summary:** Construction of a water treatment plant with a capacity of 1,100 liters per second for the surface waters from the Guadalupe Victoria Dam, to replace the current underground sources that supply the city of Durango. This project will help protect the health of the inhabitants by providing water suitable for human use and consumption from a sustainable supply source.



**ECONOMIC AND FINANCIAL SUSTAINABILITY**

**EXAMPLE OF GOOD PRACTICES**  
The cost-benefit analysis determined that the water treatment process at the plant is the most viable in terms of treated water utilization and costs.

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				
Infrastructure asset maintenance and optimal use				
Sustainability incentives				



**ENVIRONMENTAL SUSTAINABILITY AND CLIMATE RESILIENCE**

**EXAMPLE OF GOOD PRACTICES**  
There is a detailed analysis of the project's environmental effects, as well as a mitigation and monitoring plan for each of the impacted environmental factors.

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 will facilitate access to basic services in the area of influence by improving the water supply for domestic, commercial, and industrial uses.

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 dn 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 lists and details how compliance with the environmental laws and policies to which it is subject will be achieved, as well as the national and sectoral plans and programs to which it aligns.

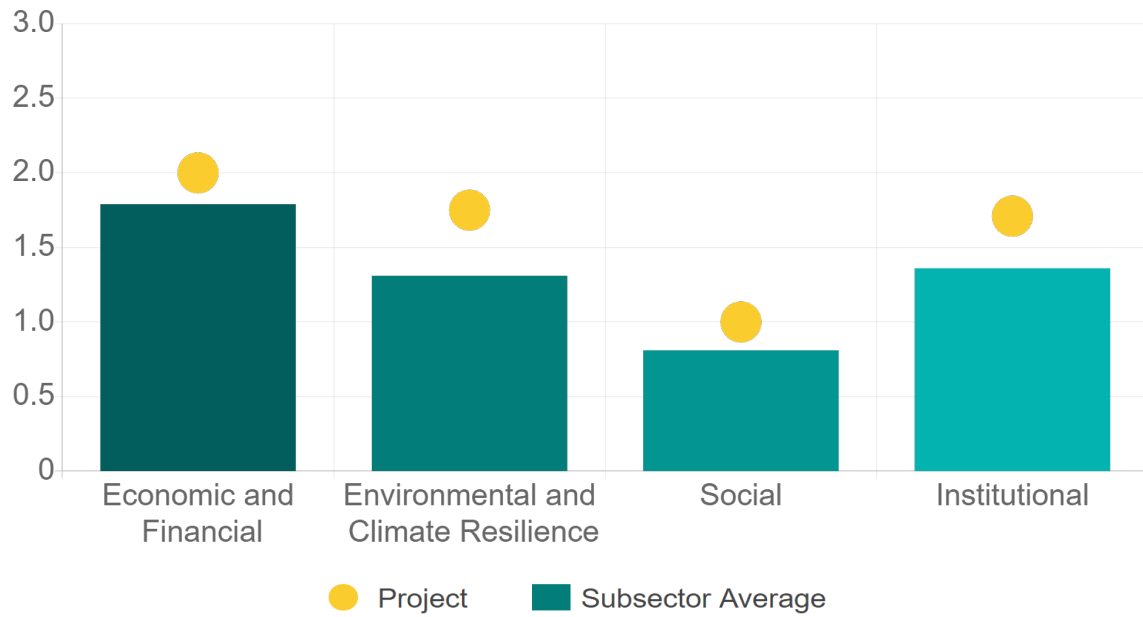
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies				
Sectoral and institutional integration				
Transparency of the process				
Corruption and mitigation process				
Legal requirements and compliance with social and environmental policies				
Training development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

**Source of this project:** Socioeconomic Evaluation of the Project - 2416B000002 / Legal Feasibility Annex - Socioeconomic Evaluation of the Project - 2416B000002 / CompraNet Bidding Site - IO-16-B00-016B00985-N-35-2024 / Invitation to At Least Three Parties National Electronic Bid Announcement IO-16-B00-016B00985-N-35-2024 / Technical Annex - General and Specific Construction Scopes / Environmental Impact Statement Water Treatment Plant Durango - 10DU2023H0024



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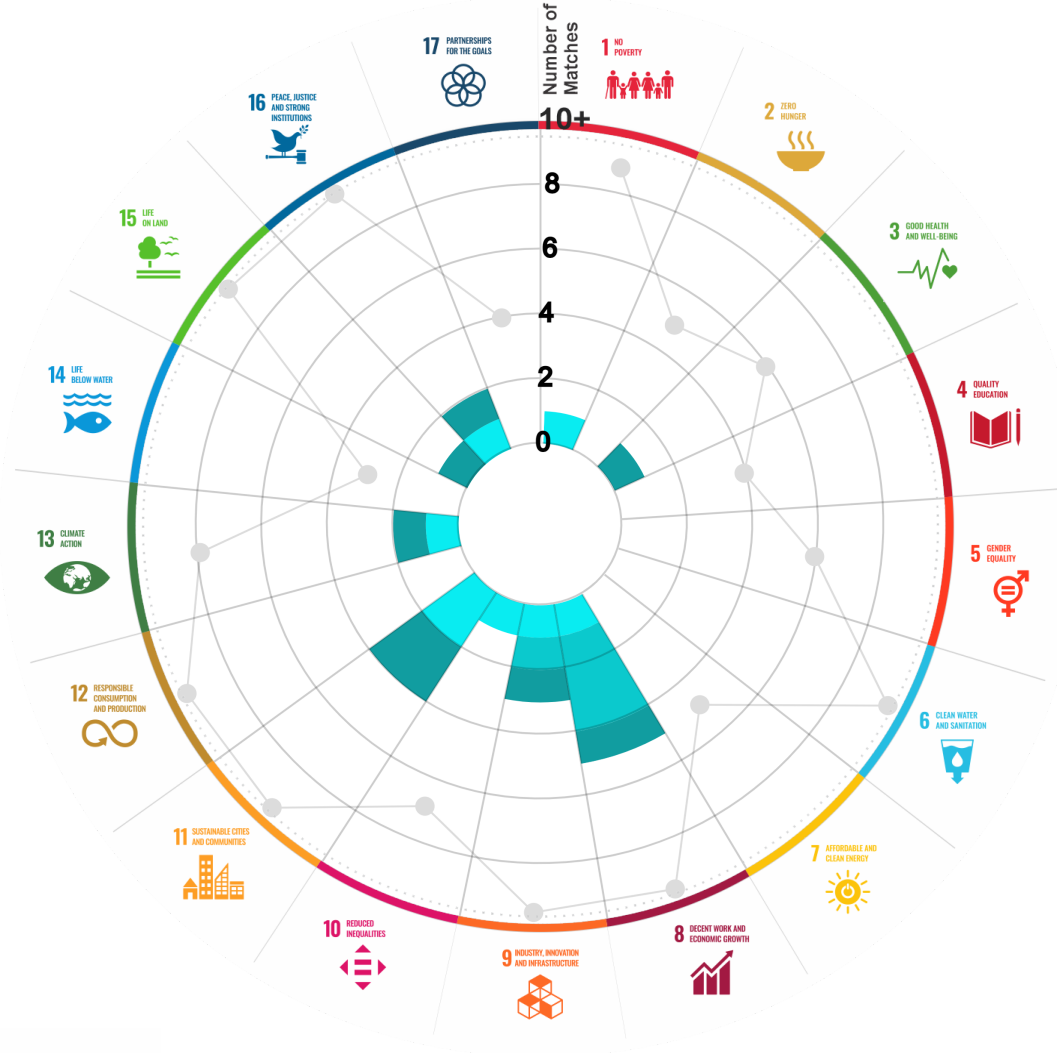
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

**CONSTRUCTION OF THE DURANGO POTABILIZATION PLANT AND COMPLEMENTARY WORKS FOR WATER SUPPLY TO 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: 0942 Durango Potabilization Plant

Contract Currency:  
 Mexican Pesos MXN

Estimated Investment MXN  
 \$ 945,935,781

Estimated Investment USD  
 \$ 55,317,881

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

### DESCRIPTION

Construction of a 1,100 l/s water treatment plant for surface water from the Guadalupe Victoria dam, to replace the current underground sources that supply the city of Durango.

The following are considered:

- Intake structure on the Guadalupe Victoria dam curtain to take advantage of 27 Mm<sup>3</sup>/year that will carry water to the pumping plant.
- Pumping plant with a capacity of 2,750 l/s, with 6 horizontal centrifugal pumps to send the water through a pressure aqueduct to the potabilization plant.
- Potabilization plant, first stage, which includes: construction of two treatment modules with a capacity of 550 l/s each, construction of auxiliary buildings (dosing, substation, operation and control, chlorination station, centrifugal equipment and polymer station, etc.). After treatment, the water will be carried through the aqueduct.
- Aqueducts: two pipelines, one pressurized 10.4 km long from the pumping plant to the potabilization plant and a 0.8 km gravity aqueduct.

Contract Scope: Construction

Type of Project: Public

Selection Process: Selective Tendering

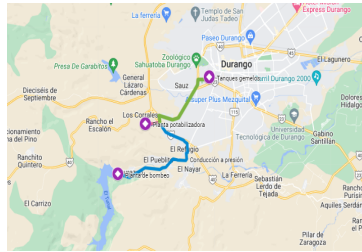
Term:

Type of Contract: Public Works

Payment Source: Budgetary

Asset (s): Drinking Water Treatment Plant 2,750 litres per second (l/s), Aqueduct 11.20 KM

### GEOLOCATION



### SPONSOR

#### Entity

Comisión Nacional del Agua

#### Department

Comisión del Agua del Estado de Durango  
 Directora General

#### Contact

Ing. Yadira G. Narváez Salas

#### E-mail

yadira.narvaez@durango.gob.mx

### TIMELINE



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



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