

**PROJECT:** 0839 Desalination Plant of Ensenada

**SECTOR:**  
Water and Environment

**SUBSECTOR:**  
Water sanitation

**STAGE ANALYZED:**  
Operation

**YEAR OF UPDATE:**  
2020

[Guide to read this datasheet](#) 

**Project's sustainability summary:** The purpose of the Project is to increase access to sustainable drinking water service through the development of an additional water supply source, contributing to the preservation of groundwater resources and human health.

**ECONOMIC AND FINANCIAL SUSTAINABILITY**

**EXAMPLE OF GOOD PRACTICES**  
The Project seeks to reduce operating costs by using technology that optimizes energy consumption.

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 addresses the problem of overexploitation of aquifers in the area.

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 Proposal was available for public comment and the information received was considered for its approval.

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**

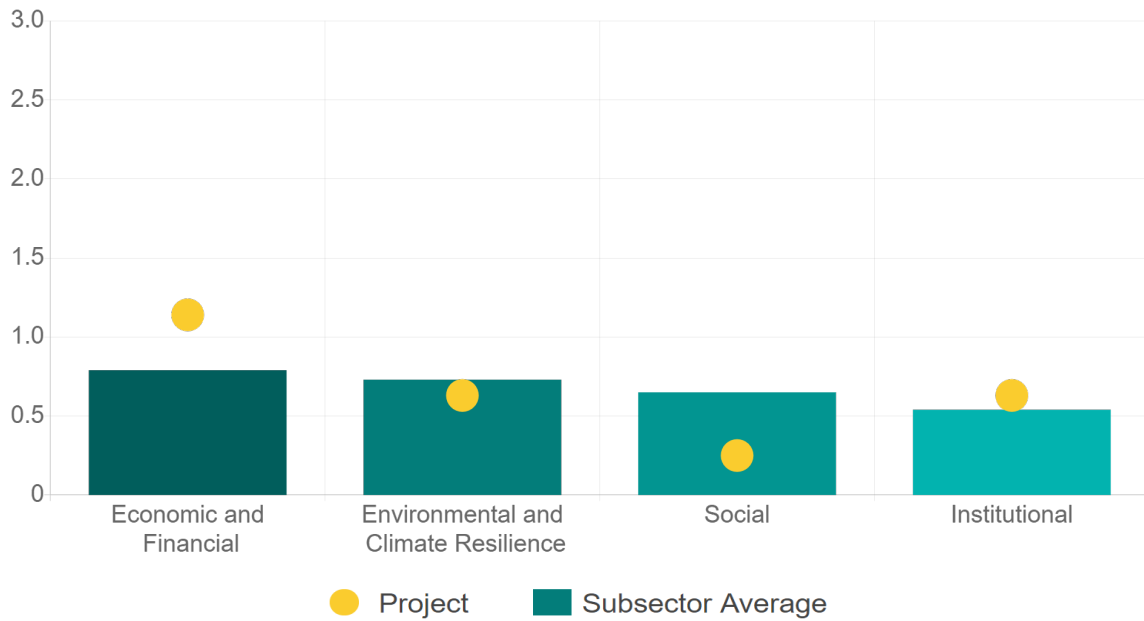
**EXAMPLE OF GOOD PRACTICES**  
With the supervision and regulation of the operation of the Plant, between the Developer and the State Water Commission, a goal is to decrease the demand for groundwater resources.

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:** Contract for the Provision of Services of the Desalination Plant in Ensenada / Proposal for the BECC Certification for the Ensenada Desalination Plant

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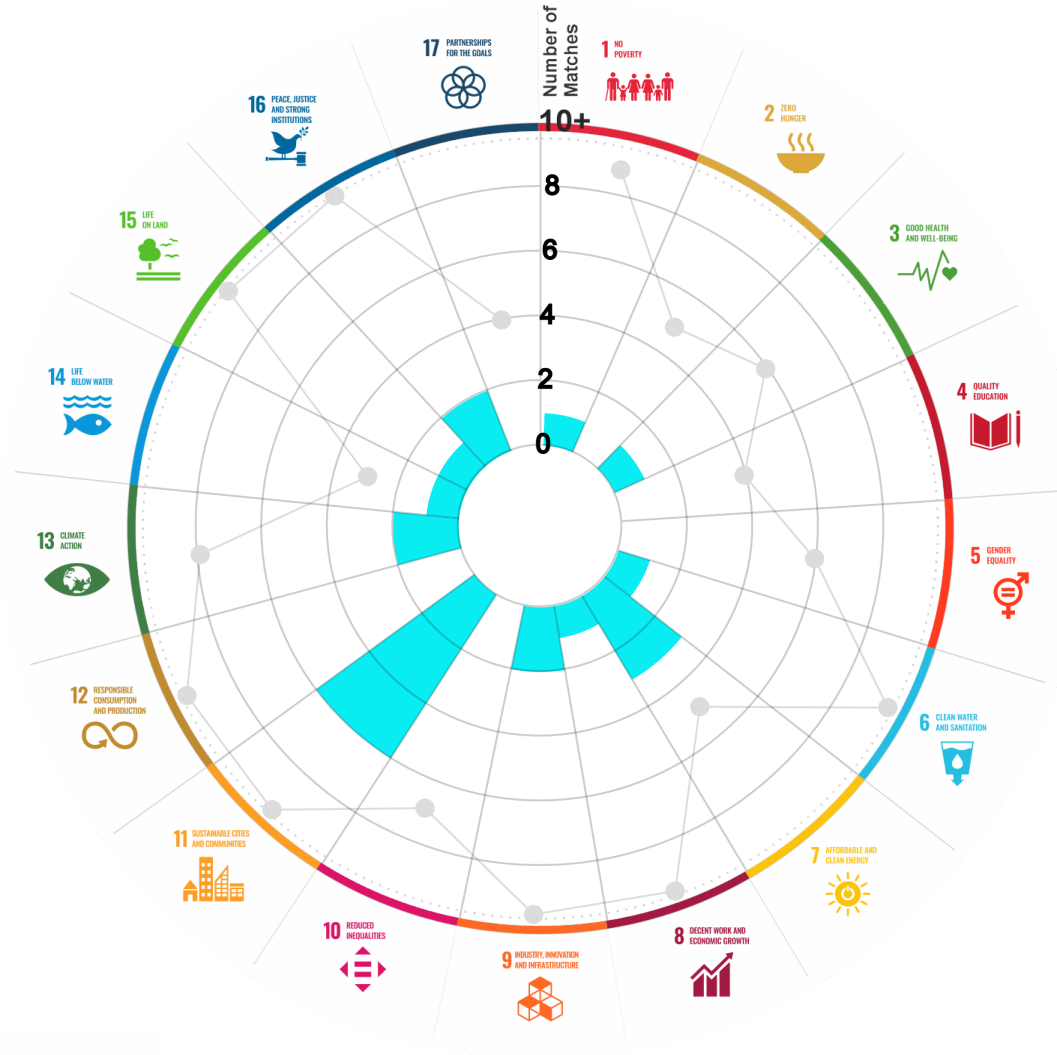
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

## 1. ALIGNMENT BY SUBSECTOR



## 2. ALIGNMENT BY SDG



## 3. ALIGNMENT BY CRITERIA AND TARGETS

[View](#)

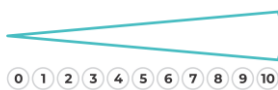


Explanation of the alignment of the sustainability criteria and the SDGs.

[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, MAINTENANCE AND CONSERVATION OF A DESALINATION PLAN IN ENSENADA, BAJA CALIFORNIA.

SECTOR: WATER AND ENVIRONMENT  
SUBSECTOR: WATER SANITATION

Type of Investment:	Brownfield	Banobras/Fonadin involvement	
Short Name of the Project:	0839 Desalination Plant of Ensenada		
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	\$ 826,171,481	\$ 40,105,411	

### DESCRIPTION

The project consists of the provision of services for the collection and desalination of sea water, its purification, conduction and delivery of 250 liters per second, as well as the disposition of reject water, in the Municipality of Ensenada, Baja California. It includes the design, elaboration of the executive project, construction, electromechanical equipment, functioning tests, operation, maintenance and conservation of the desalination plant to satisfy the delivery of water, in the quantity and quality required.

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

Type of Project:	Public / Private	Selection Process:	International Open Tender	Term:	20 years
Type of Contract:	Provision of services	Payment Source:	Project revenues / Rate		

**Asset (s):** Desalination Plant 250 litres per second (l/s)

### GEOLOCATION



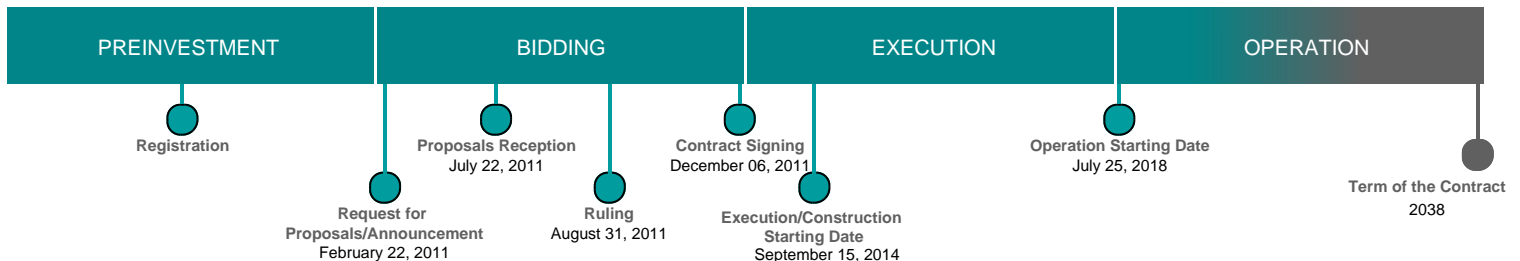
### SPONSOR



**Entity**  
Gobierno Estatal

**Department**  
Comisión Estatal del Agua de Baja California

### TIMELINE



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**SHCP**  
SECRETARÍA DE HACIENDA  
Y CRÉDITO PÚBLICO

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