



**PROJECT:** 0221 CFE: Northwest Combined Cycle Power Plant

**SECTOR:**  
Electricity

**SUBSECTOR:**  
Thermic Power

**STAGE ANALYZED:**  
Execution

**YEAR OF UPDATE:**  
2020

[Guide to read this datasheet](#) 

**Project's sustainability summary:** This project responds to the need of increasing generation capacity in the northwest region of the country. Sustainability aspects are considered in the implementation of comprehensive environmental management plans and safety and health management at work.



## ECONOMIC AND FINANCIAL SUSTAINABILITY

### EXAMPLE OF GOOD PRACTICES

The project was developed in accordance with the benefits secured by the sale of electricity. Financial sustainability is based on the existing commitment for the purchase of the production.

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

Obligation to carry out an Environmental Management System that covers the entire life of the project and to be audited by third parties

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 and enhancement of public spaces				



## SOCIAL SUSTAINABILITY

### EXAMPLE OF GOOD PRACTICES

Plans, strategies and evaluation of compliance in labor law and human rights developed by the company awarded at corporate level.

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

Aligned with the national objectives of improving national generation capacity and the inclusion of clean energies and with the SDGs for new sources of generation and climate change.

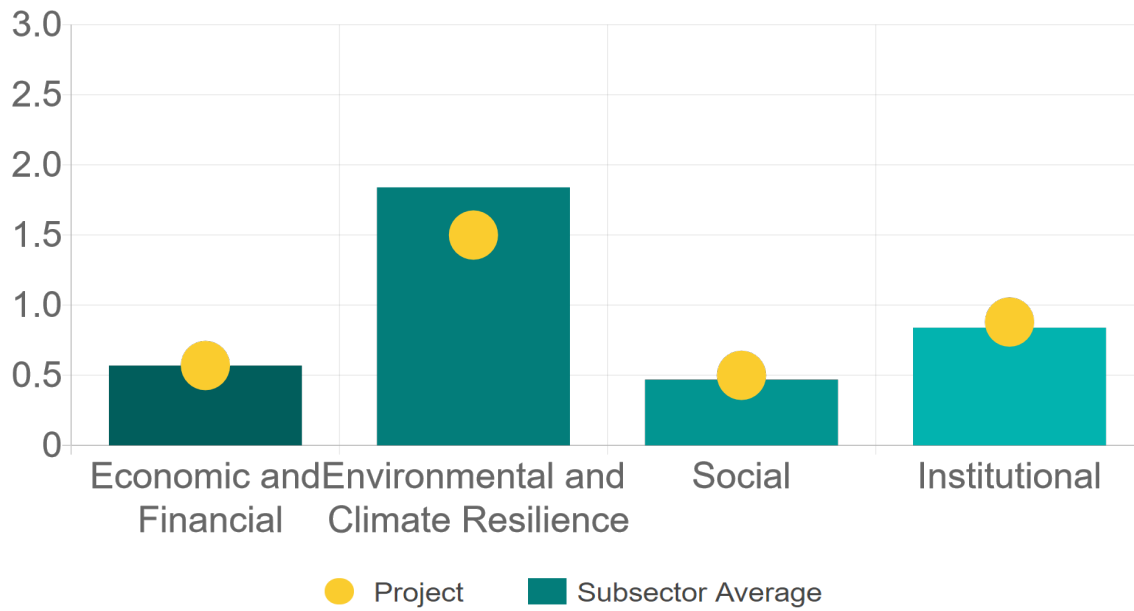
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies				
Sectoral and institutional integration				
Corporate sustainability, management and governance				
Transparency and anti-corruption protocols				
Legal requirements and compliance with social and environmental 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:** AGREEMENT FOR ELECTRICITY AND ELECTRIC POWER GENERATION CAPACITY AND SALE OF ASSOCIATED ELECTRICITY ENTRY / Sustainability Report 2018 / Integrated report. February 2019 / Sustainable management policy / Sustainable development general policy / GREENHOUSE GAS REPORT 2017 / Recruitment and selection policy / ETHICAL COMMITMENT OF CFE and its EPS - SUPPLIERS AND CONTRACTORS / Report of the International Public Bidding procedure under the Coverage [Show more...](#)



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

(Number of projects included: 4)



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

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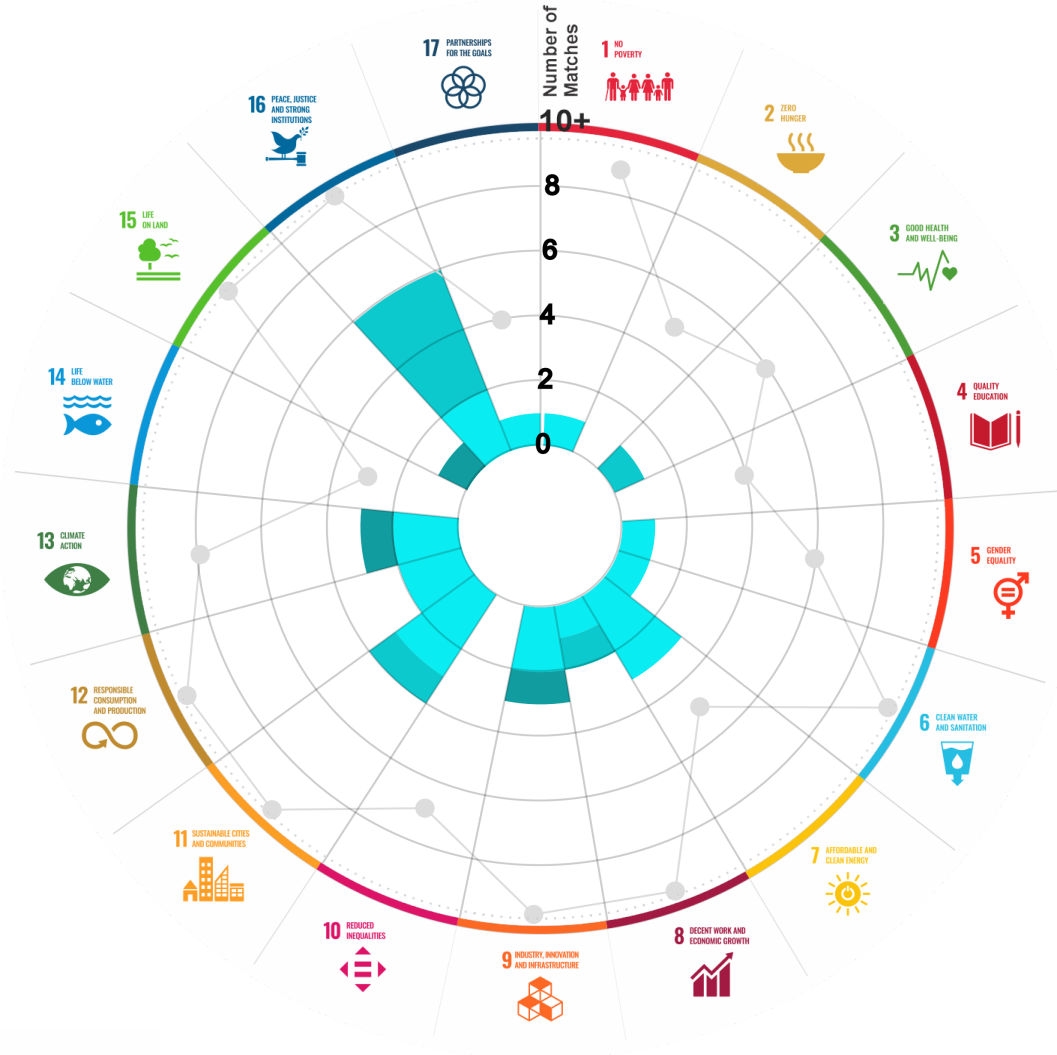
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

### 1. ALIGNMENT BY SUBSECTOR



### 2. ALIGNMENT BY SDG



### 3. ALIGNMENT BY CRITERIA AND TARGETS

[View](#)

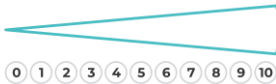


Explanation of the alignment of the sustainability criteria and the SDGs.

[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, EQUIPMENT, INSTALLATION, OPERATION AND MAINTENANCE OF A COMBINED CYCLE POWER PLANT IN THE NORTHWEST OF THE STATE OF SINALOA.

SECTOR: ELECTRICITY  
SUBSECTOR: THERMIC POWER

Type of Investment: Brownfield

Short Name of the Project: 0221 CFE: Northwest Combined Cycle Power Plant

Contract Currency:  
US Dollars USD

Estimated Investment MXN  
\$ 6,890,565,770

Estimated Investment USD  
\$ 334,493,484

Exchange rate (USD/MXN) used by the Ministry of Finance for the economic plan 2023 \$ 20.6

### DESCRIPTION

Construction, installation, operation and maintenance of a combined cycle power plant with a net capacity of 777 MW, in the northwest of the state of Sinaloa.

The plant will include:

- 4 to 6 gas turbines.
- 1 steam turbine.
- 4 to 6 heat recovery units.
- 1 dry type cooling system with wind turbines.

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

Type of Project: Public / Private

Selection Process: International Open Tender

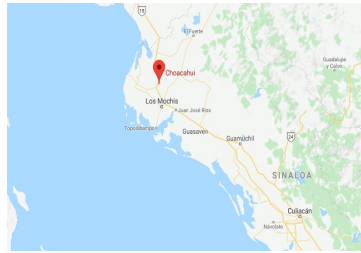
Term: 25 years

Type of Contract: Provision of services

Payment Source: Project revenues / Rate

Asset (s): Combined Cycle Power Plant 777 MW

### GEOLOCATION



### SPONSOR

#### Entity

Comisión Federal de Electricidad

#### Department

Gerencia de Licitación y Contratación de Proyectos de Inversión Financiada

### TIMELINE



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