



PROJECT: 0222 CFE: Norht III (Juarez) 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: The Project seeks to generate energy through the use of natural gas, thus reducing fuel consumption per kWh produced. In addition, given its geographical location, the Project is aligned with transnational environmental sustainability objectives such as the Mexico-US Border 2012 Environmental Program and the North American Environmental Cooperation Agreement.



ECONOMIC AND FINANCIAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES
The Project foresees the construction of a Weather Monitoring Station at the Power Plant to guarantee the optimal maintenance of the machinery.

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 considers a Treatment Plant that will recover and recycle wastewater from the Central. This one will use natural gas to reduce fuel consumption per kWh produced.

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
The Preventive Work Safety and Health Program is aligned with national and international standards that includes risks, as well as mitigation and control measures of this phase

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 Project aligns with national, sectoral and transnational objectives, such as the Mexico-US Border 2012 Environmental Program and the North American Environmental Cooperation Agreement.

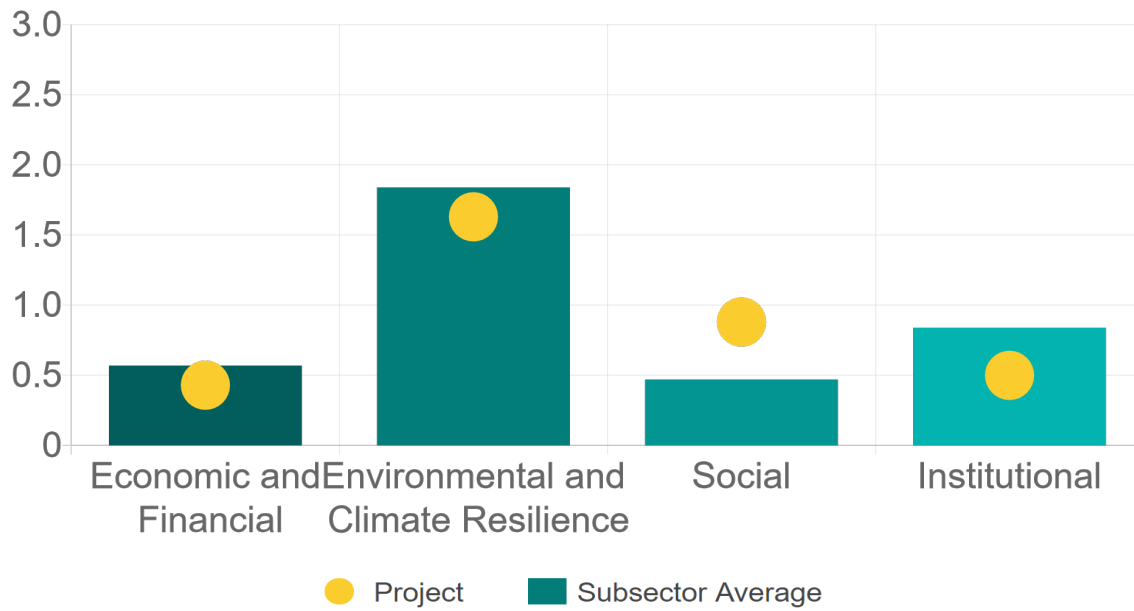
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies				
Sectoral and institutional integration				
Corporate sustainability, management and governance				
Transparency and anti-corruption protocols				
Legal requirements and compliance with social and environmental 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: Rules for the public, international bidding number LO-018TOQ054-T29-2014. / Environmental Impact Statement particular modality for the project 38 CCC Norte III Juárez



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)

[View](#)



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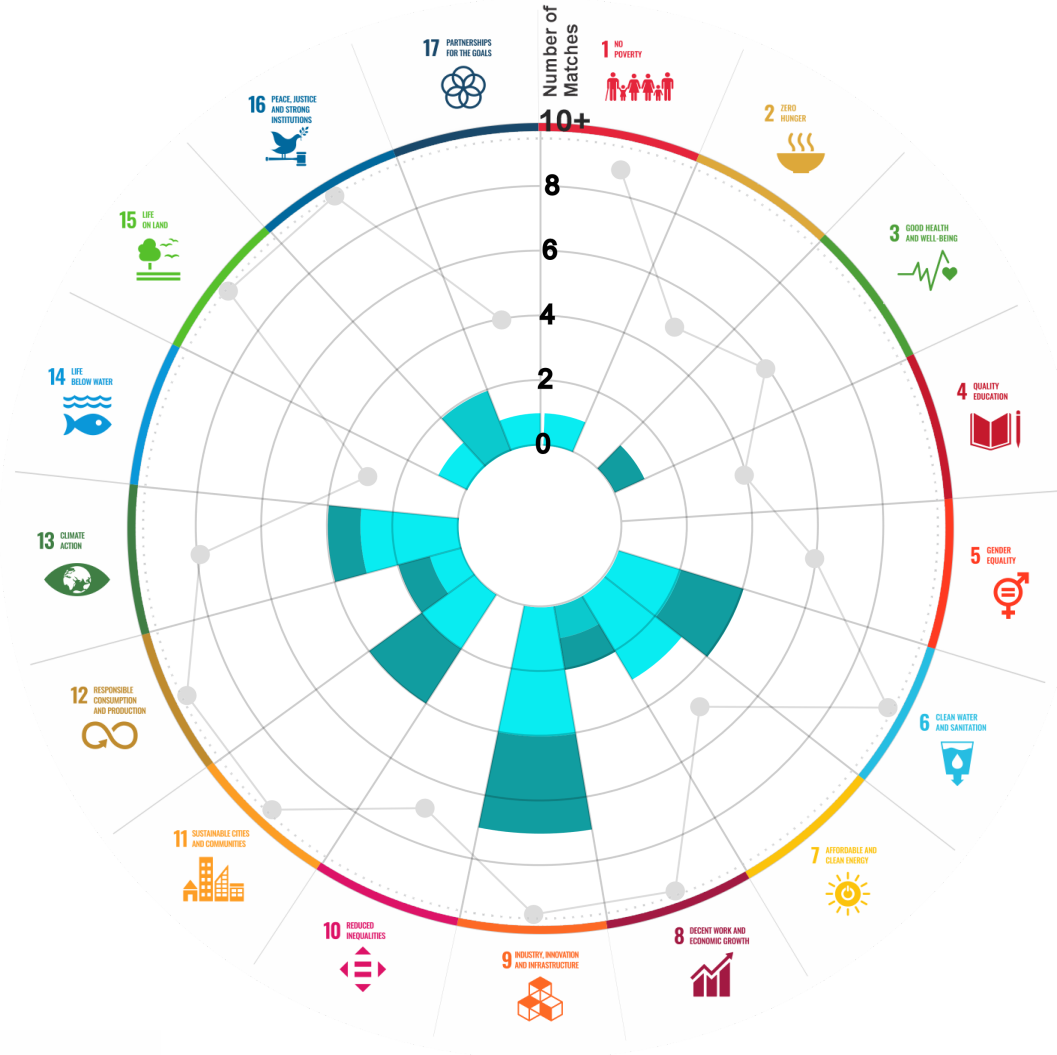
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

1. ALIGNMENT BY SUBSECTOR



2. ALIGNMENT BY SDG



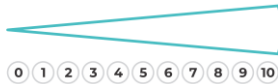
3. ALIGNMENT BY CRITERIA AND TARGETS

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

SECTOR: ELECTRICITY
SUBSECTOR: THERMIC POWER

Type of Investment: Brownfield

Short Name of the Project: 0222 CFE: Norht III (Juarez) Combined Cycle Power Plant

Contract Currency:
US Dollars USD

Estimated Investment MXN
\$ 11,584,826,243

Estimated Investment USD
\$ 562,370,206

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 788 MW, in Ciudad Juárez, Chihuahua.

The plant will include:

- 4 gas turbines.
- 1 steam turbine.
- 4 heat recovery system.
- 1 dry cooling system is considered with wind turbine.

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

Type of Project: Public / Private

Selection Process: International Open Tender

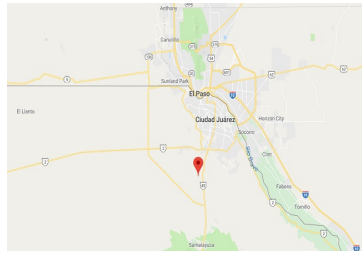
Term: 25 years

Type of Contract: Provision of services

Payment Source: Project revenues / Rate

Asset (s): Combined Cycle Power Plant 907 MW

GEOLOCATION



SPONSOR

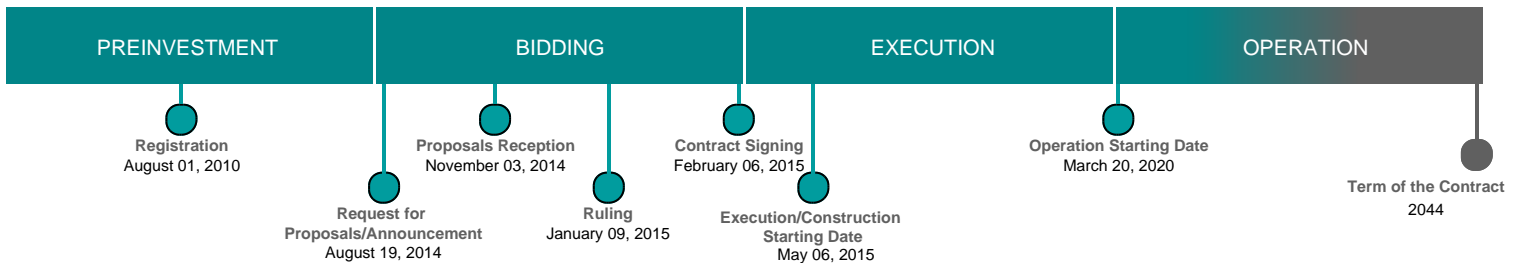
Entity

Comisión Federal de Electricidad

Department

Gerencia de Licitación y Contratación de Proyectos de Inversión Financiada

TIMELINE



Email: proyectosmexico@banobras.gob.mx



SHCP

SECRETARÍA DE HACIENDA
Y CRÉDITO PÚBLICO

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BANCO NACIONAL DE OBRAS
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