



PROJECT: 0577 CENACE. 1st Long Term Power Auction (SLP-1/2015) Parque Solar Villanueva 3

SECTOR:
Electricity

SUBSECTOR:
Solar Power

STAGE ANALYZED:
Operation

YEAR OF UPDATE:
2020

[Guide to read this datasheet](#) 

Project's sustainability summary: The purpose of the project consists of the operation and maintenance of a photovoltaic solar plant, located in Coahuila, for the generation of renewable electricity. Proposes social liaison plans to implement and monitor the fulfillment of commitments to improve the conditions of the communities near the project.



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 implements automated equipment to reduce the amount of water used in the cleaning of the solar panels.

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

Proposes a Communication and Liaison Plan in order to monitor the fulfillment of the commitments to improve the conditions of the community.

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

Considers a program to develop capacities in environmental education.

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 model / Long-Term Power Auction Manual / Clearing House Operational Guide / Annual Report (ENEL) / Environmental Impact Assessment (MIA) / MIA Resolution / MIA (land use change) / MIA Resolution (land use change) / Social Impact Assessment / Sustainability Report 2019 (ENEL)

The sustainability analysis is carried out based on the indicated sources of information available at the time of preparation.





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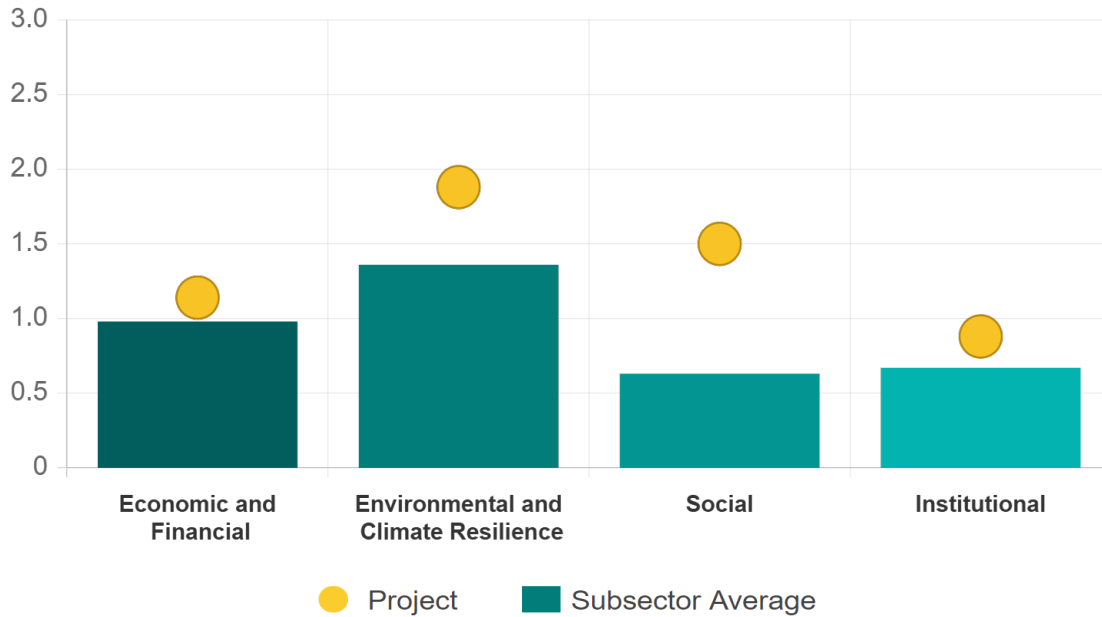
SUBSECTOR:
Solar Power

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Comparison of this project vs other projects of the same subsector

(Number of projects included: 23)



Check out this and other project comparisons in the tool
[View](#)



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

7 AFFORDABLE AND CLEAN ENERGY



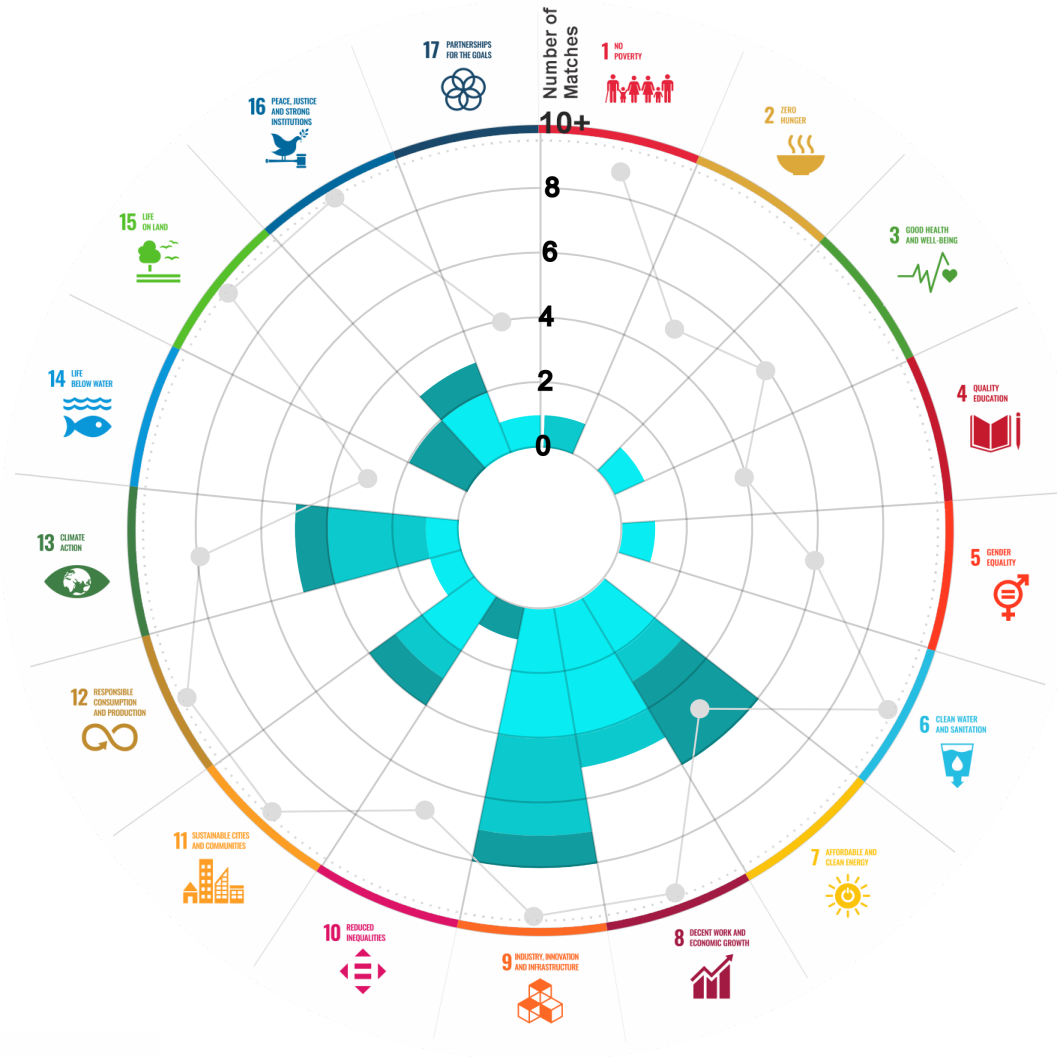
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



13 CLIMATE ACTION



2. ALIGNMENT BY SDG



3. ALIGNMENT BY CRITERIA AND TARGETS

[View](#)



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

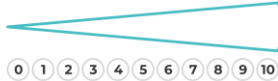
[View](#)

Project alignment to SDGs analysis tool

[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 PHOTOVOLTAIC POWER PLANT IN THE STATE OF COAHUILA.

SECTOR: ELECTRICITY
SUBSECTOR: SOLAR POWER

Type of Investment:	Brownfield		
Power Auction:	SLP-1/2015: First Long Term Power Auction		
Short Name of the Project:	0577 CENACE. 1st Long Term Power Auction (SLP-1/2015) Parque Solar Villanueva 3		
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	\$ 6,790,000,000	\$ 329,611,650	

DESCRIPTION

The project consists of the design, construction, equipment, installation, operation and maintenance of "Solar Villanueva 3" photovoltaic power plant with a total production capacity of 275 MW in the state of Coahuila. The plant has the following features:

Power Zone: National
Export Subarea: "Norte"
Price Area: Laguna
Interconnection Zone: ANDALUCIA AND-230

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

Type of Project:	Private	Selection Process:	Public Auction	Term:	15 years
Type of Contract:	Assignment	Payment Source:	Project revenues / Rate		

Asset (s): Solar Farm 275 MW

GEOLOCATION



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Entity
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Enel Green Power México

TIMELINE



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