



PROJECT: 0570 CENACE: 2nd Long Term Power Auction (SLP-1/2016) Solem I

SECTOR:
Electricity

SUBSECTOR:
Solar Power

STAGE ANALYZED:
Operation

YEAR OF UPDATE:
2020

[Guide to read this datasheet](#) 

Project's sustainability summary: The project aims to generate photovoltaic solar energy to meet the demand of the State of Aguascalientes at lower costs and with positive impacts for the economy, the provision of clean energy and the fight against climate change



ECONOMIC AND FINANCIAL SUSTAINABILITY

EXAMPLE OF GOOD PRACTICES

The project comprises diversified financial sources for its leverage and the improvement of its credit status.

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 will help prevent the emission of 362,000 metric tons of CO2 each year.

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

Considers a Social Investment Plan to improve the life conditions of the nearby communities, including school infrastructure, and participatory mechanisms for the empowerment of the women.

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

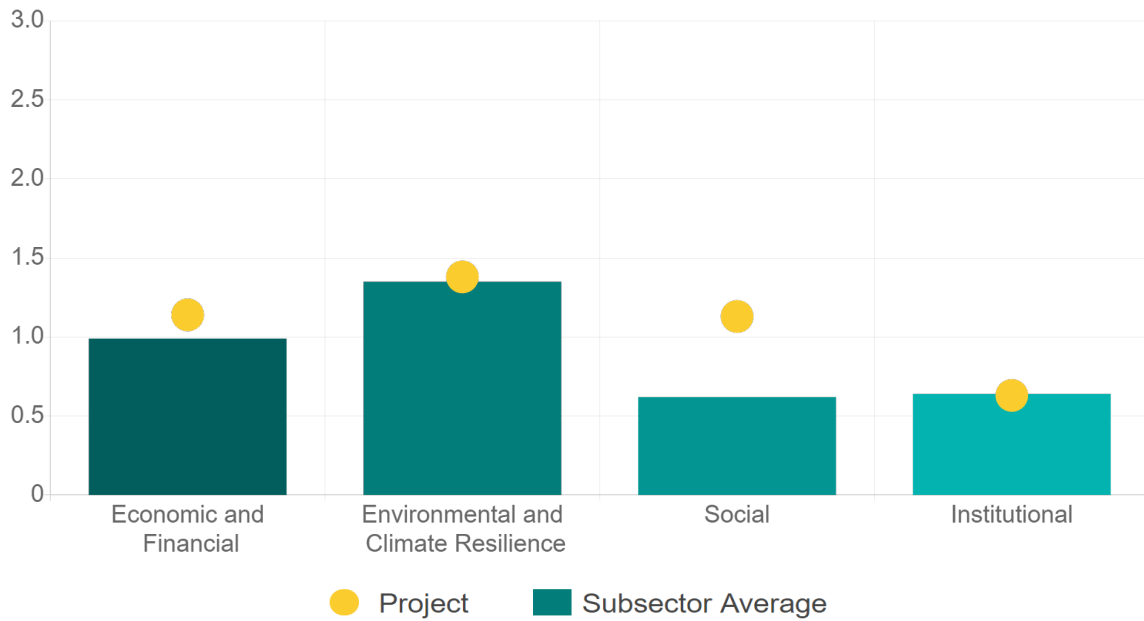
Sustainability criteria	NA	T1	T2	T3
Alignment with national and international strategies		█		
Sectoral and institutional integration		█		
Corporate sustainability, management and governance		█		
Transparency and anti-corruption protocols	█			
Legal requirements and compliance with social and environmental 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 / Second Long Term Power Auction Manual / Clearinghouse Operating Guide / Environmental Impact Assessment (MIA) / MIA Resolution / Social Impact Assessment (EVIS) / ALTEN Webpage / Cubico Sustainable Investments Webpage / Press release Social Investment Plan / Financing Sources



Comparison of this project vs other projects of the same subsector

(Number of projects included: 23)



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

View



PROJECT: 0570 CENACE: 2nd Long Term Power Auction (SLP-1/2016) Solem I

SECTOR:
Electricity

SUBSECTOR:
Solar Power

STAGE ANALYZED:
Operation

YEAR OF UPDATE:
2020

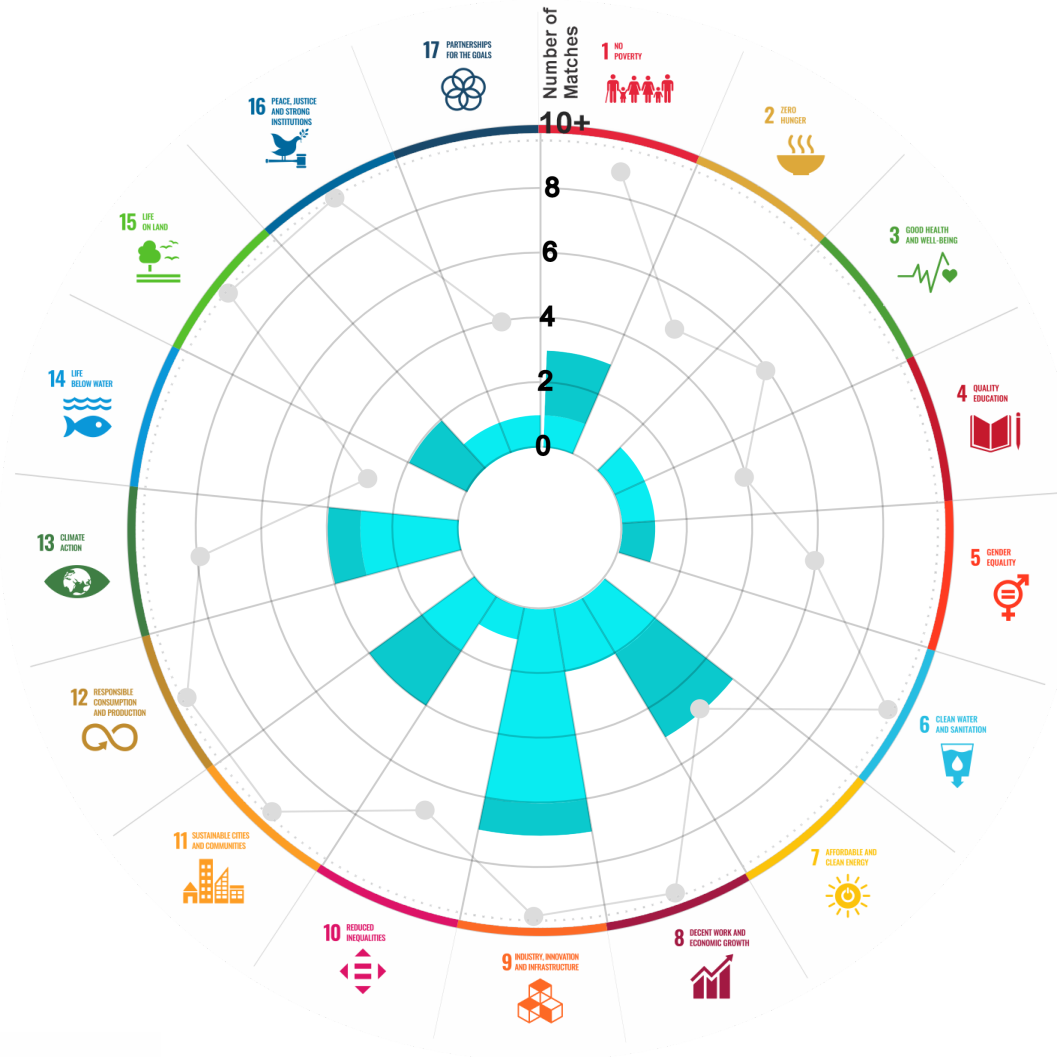
This section aims to present the potential alignment of the infrastructure project with the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda. The relevance of this exercise resides in that it provides information to the actors of the infrastructure ecosystem for decision-making in investment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

Reading guide [View](#)

1. ALIGNMENT BY SUBSECTOR



2. ALIGNMENT BY SDG



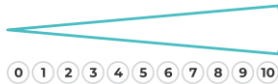
3. ALIGNMENT BY CRITERIA AND TARGETS

[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 PHOTOVOLTAIC POWER PLANT IN THE STATE OF AGUASCALIENTES.

SECTOR: ELECTRICITY
SUBSECTOR: SOLAR POWER

Type of Investment:	Brownfield	 Banobras/Fonadin involvement		
Power Auction:	SLP-1/2016: Second Long Term Power Auction			
Short Name of the Project:	0570 CENACE: 2nd Long Term Power Auction (SLP-1/2016) Solem I			
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	N.A.	N.A.		

DESCRIPTION

The project consists of the design, construction, equipment, installation, operation and maintenance of "Solem I" (formerly known as Alten Aguascalientes 1-5) photovoltaic power plant with a total production capacity of 150 MW in the state of Aguascalientes. The plant has the following features:

Power Zone: National

Export Area: "Occidental" / Export Subarea: "Occidental-Centro"

Price Area: Centro

Interconnection Zone: ALTEN ENERGÍAS RENOVABLES MANIOBRAS AEM-230

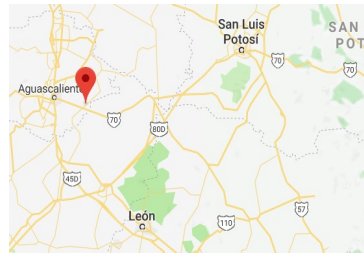
(*) Project with Banobras and/or National Infrastructure Fund (Fonadin) involvement or support.

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 150 MW

GEOLOCATION



SPONSOR



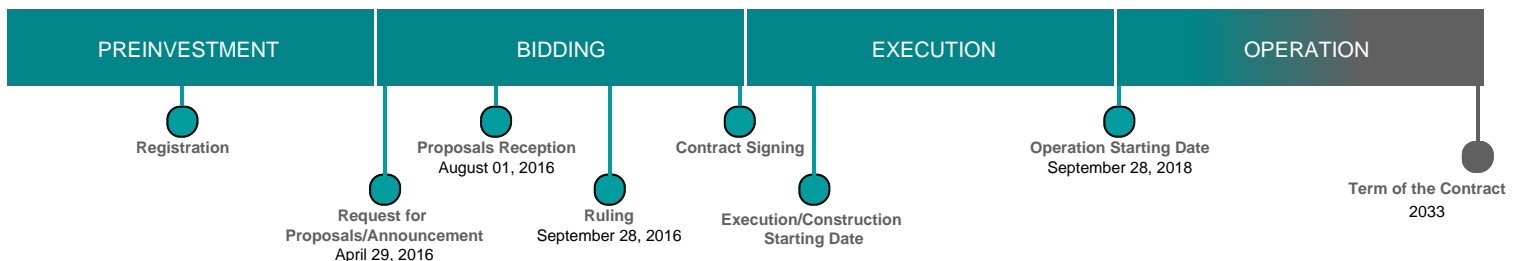
Entity

Privado

Department

Alten Energías Renovables

TIMELINE



Email: proyectosmexico@banobras.gob.mx



SHCP
SECRETARÍA DE HACIENDA
Y CRÉDITO PÚBLICO

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