

On-Site Solar Generation in Mexico

Mexico Energy Partners

A stricter regulatory environment in Mexico and lower costs for solar technology are driving demand for on-site generation.

On-site solar allows companies to lower their carbon footprints with no upfront costs or risks of regulatory delays.

The big advantage is that no regulatory permits are required for on-site solar systems below 500 kWp.



Distributed energy in Mexico is classified as any system with a capacity below 500 kW.

Selling surplus energy back to the grid (net metering) can also improve the profitability of on-site generation.

How we create value



**Streamlined
procurement**



**No upfront
costs**



**Lower
energy bills**

Advantages for our clients

Mexico Energy Partners assists companies across a variety of industries including manufacturing, hospitality, shopping centers, and more.



Lower energy costs

Building operators in Mexico can achieve savings of more than 20% with no upfront costs by using on-site solar solutions



Lower carbon footprint

Companies can display a commitment to sustainability which increases customer perception and asset values



Energy self-sufficiency

On-site solutions mitigate the risk of disruptions to your operations due to grid transmission problems



Our solutions

Roof Mounted Solar

A roof mount is the most common type of installation. This is when the solar racking, which holds the panels in place, is installed directly on the roof. Panels can be attached to flat or sloping roofs consisting of metal, shingle, or rubber materials.

“ Rooftop solar that can primarily serve the underlying building with surplus energy exported to the grid, avoids network costs, minimizes losses and is proving to be more financially viable today than just a few years ago.

Kijana Mack, Executive Director
kmack@mexicoenergypartners.com



An aerial photograph of a large industrial building with a grey roof. The roof is covered with a grid of dark blue solar panels. The building is surrounded by a landscape of trees and open fields. The text 'Advantages of a roof mounted system' is overlaid on the image in white, underlined.

Advantages of a roof mounted system

1. Utilizes space that otherwise wouldn't be used
2. The installation cost is lower compared to a ground-mounted system
3. Does not take up land that could be utilized for other activities
4. Prevents unauthorized access to the solar panels



Ground Mounted Solar

A ground mount is when the panels are secured to a rack structure that is connected to the ground with steel beams or metal posts.

Ground mounts can be installed in an open area on excess land that is located at the facility.

This can be a great alternative for companies that do not have enough usable roof space.

Advantages of a ground mounted system

1. Can be installed to face any direction and in almost any location, positioning them for optimal energy production
2. System can easily be accessed for maintenance



Canopy

A solar canopy is a custom-built outdoor structure designed to hold an overhanging solar array. Solar carports are the most common type of solar canopy structure.

Each type of solar canopy is designed to allow functional use of the space underneath the solar panels.

“*Canopy on-site solar is a viable option if the parking structure is large enough, however, these installations are considerably more expensive than rooftop because of the additional infrastructure needed.*”

Yeni Hernandez, Director
yhernandez@mexicoenergypartners.com

Advantages of a canopy system

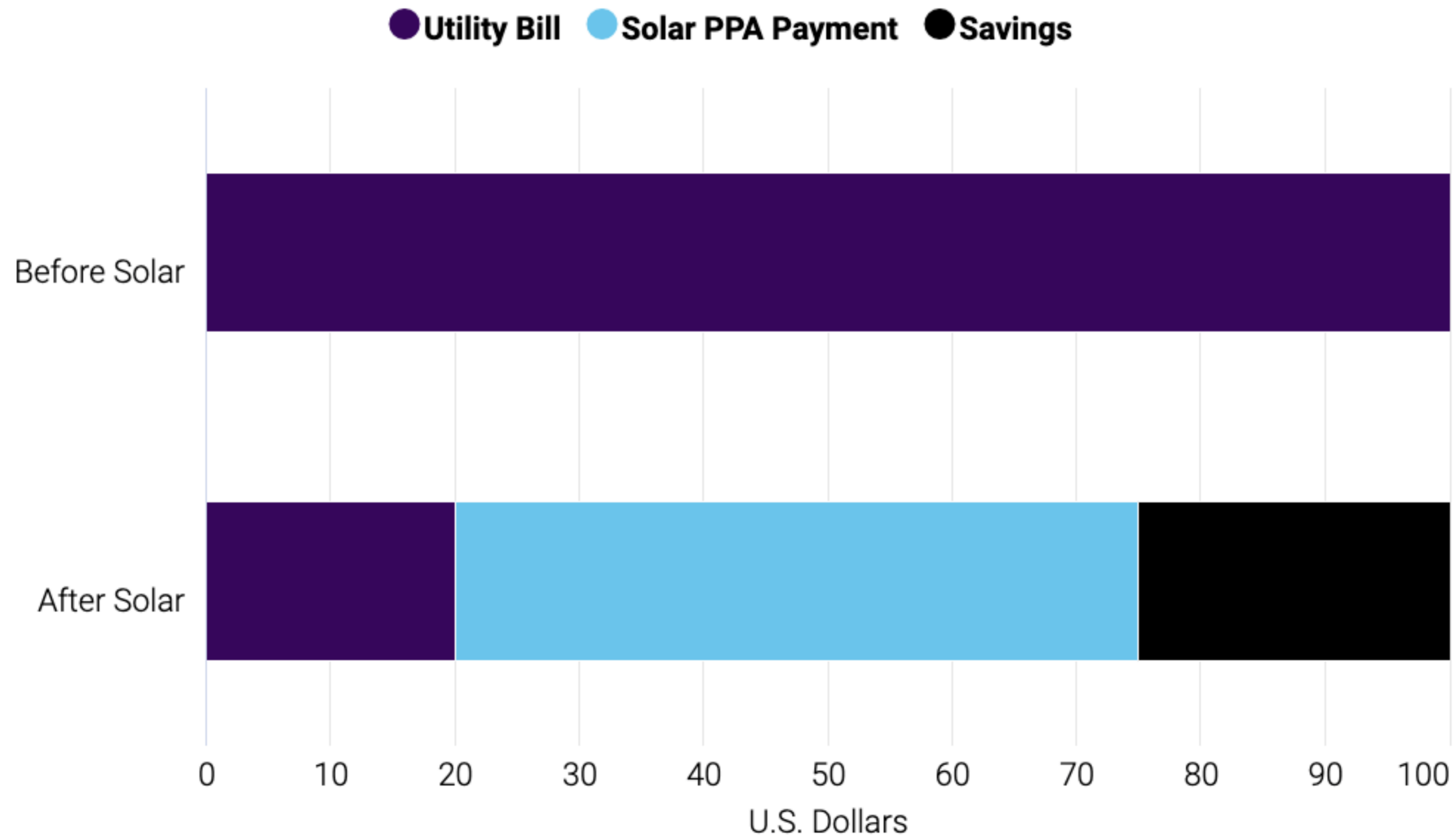
1. Does not require any additional real estate
2. Offers an alternative to installing on the rooftop which might not be possible due to structural or design issues
3. Improves the customer and/or employee parking experience by providing shade to the vehicles
4. Provides a visual reminder of a company's commitment to clean energy

Average savings from on-site solar

25
percent

total savings on the average monthly utility bill
from the prior year

Reduce your electricity bill by purchasing solar energy at a lower rate than from the power grid



There are no upfront costs to install on-site solar

0
dollars

all upfront costs are included in the monthly energy rate which is fully transparent in the PPA

Sample project timeline



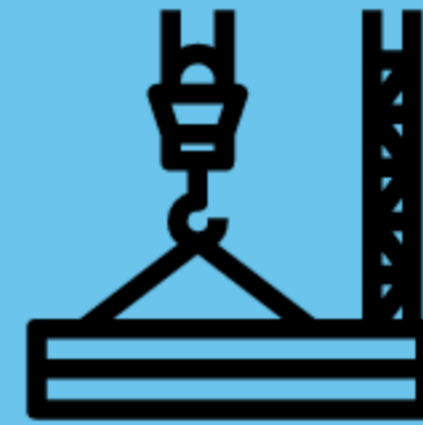
Project Development

We work with your organization to develop an on-site energy procurement strategy
(3 weeks)



Project Proposal

Savings analysis and project timeline is submitted to your organization for review
(3 weeks)



Project installation

Vendor selection, purchase orders, and engineering and installation
(6 months)



Start of Supply

New power supply starts at your facility without any disruption to your operations
(1 hour)

Average time to complete an on-site solar project

8
months

average time to complete a 500 kWp rooftop solar project



Key considerations from our experts

The amount of available space on rooftops and around the facility are vital to performing a cost-benefit analysis of the project.

If you have plenty of unshaded roof space available then a roof mount is likely going to be the best, cheapest option.

If your available roof space is limited, then a ground mount or carport (canopy) might be a great option.

Other practical issues to consider are the tension in the plant and the type of materials used for the roofing.

For older facilities, one must consider the viability of putting solar panels on a roof which itself may require replacing in a few years.

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Mexico Energy Partners

30 Wall Street

New York, New York 10005

info@mexicoenergypartners.com

Kijana A. Mack, Executive Director, Energy Procurement

kmack@mexicoenergypartners.com

Yeniret Hernandez, Director, Energy Efficiency

yhernandez@mexicoenergypartners.com