

WHEREVER *you* ARE, *it's* **HIGHLY**
PROBABLE *that* **SOMETHING** AROUND
you has **BEEN MADE in** **MEXICO.**

México
RENEWABLE ENERGIES

Mexico Electric System

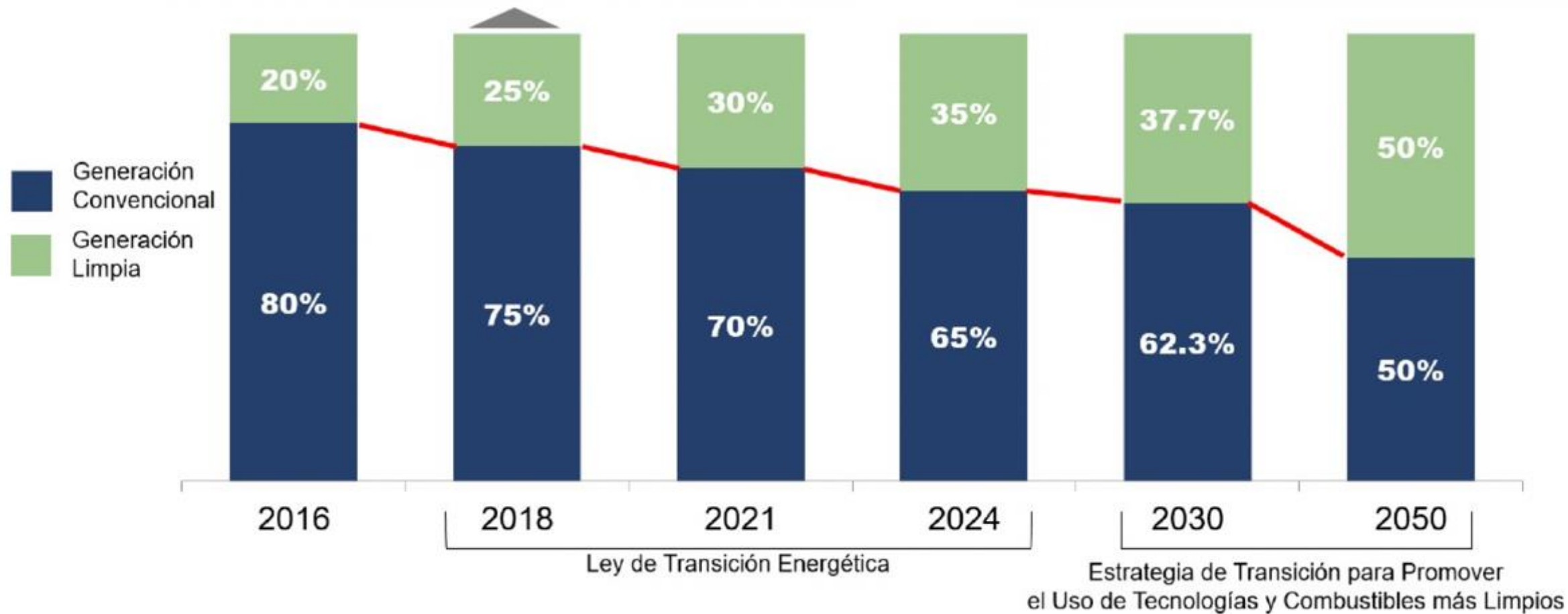
| | | |
|--|---------|------------------|
| Installed Capacity | 73,510 | MW |
| Installed capacity with clean technologies | 21,1796 | MW |
| Generation of electrical energy | 319,364 | GWh |
| Generation of clean energy | 64,868 | GWh |
| Transmission lines1 | 104,133 | km |
| Distribution lines1 | 779,119 | km |
| Increase in consumption 2016 vs 2017 | 3.79 | % |
| Population | 122 | MDH ³ |



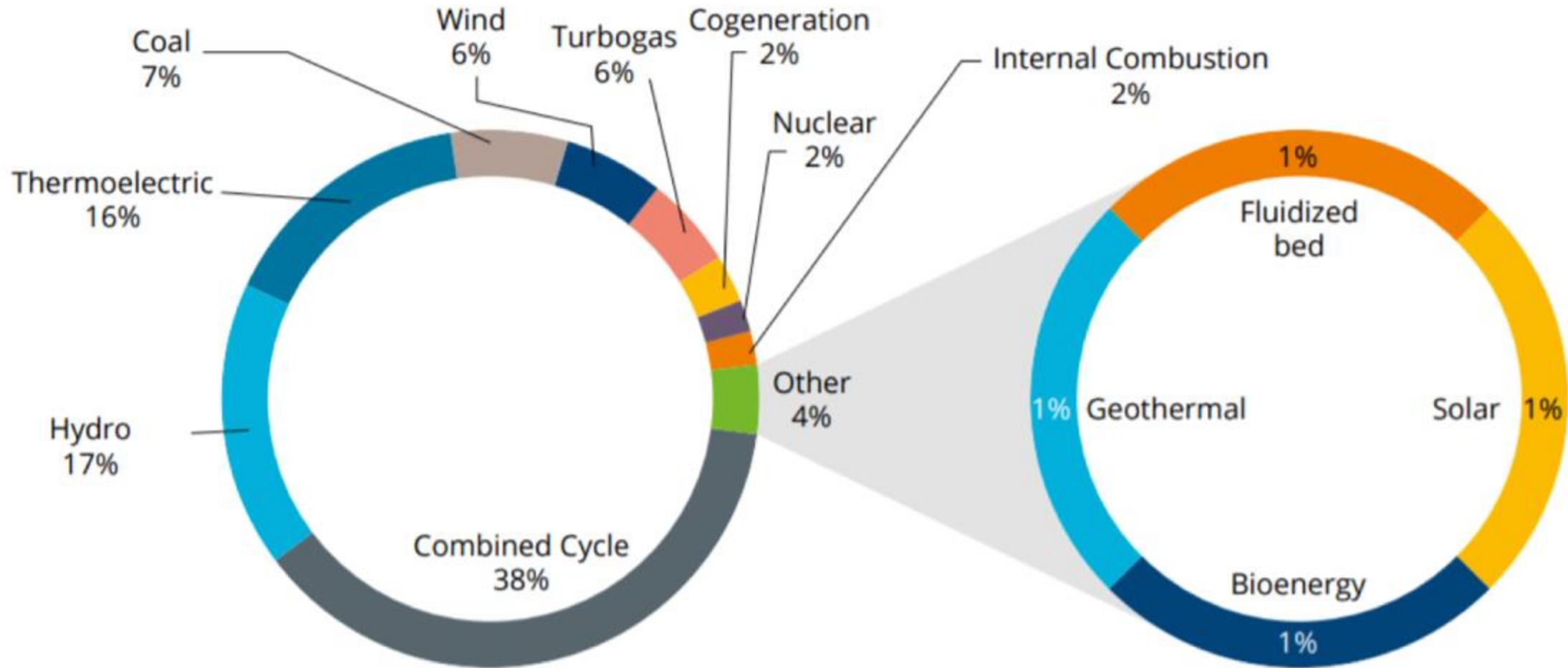
GWh: Gigawatt Hour
MW: Mega Watt

Source: SENER, AMDEE, AMEXHIDRO, Pwc

Metas de generación de energía eléctrica a partir de fuentes limpias

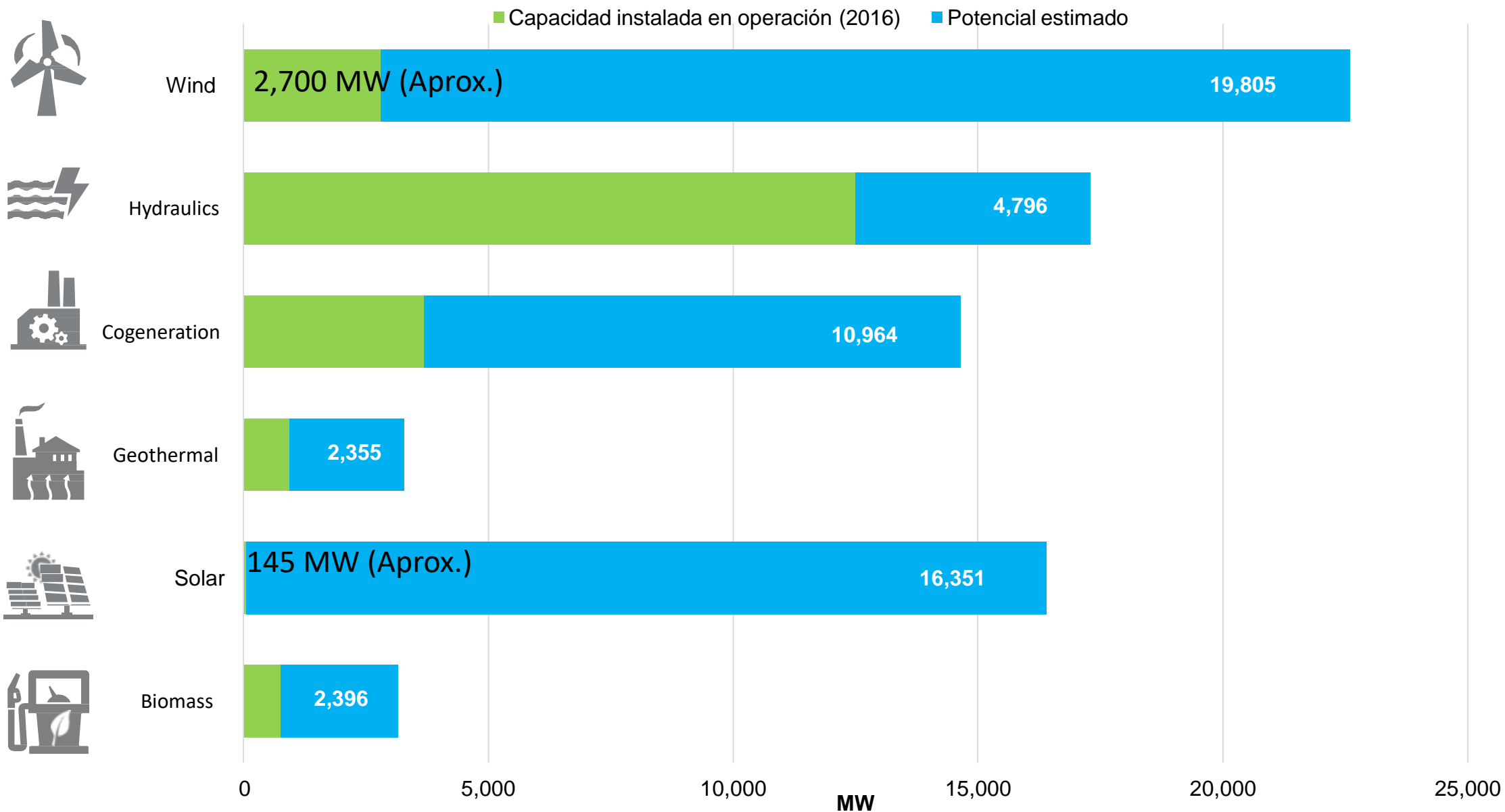


Installed Capacity(% by energy type in 2017)



Source: Growing investment Opportunities. Mexico's New Era. From Framework Fundamentals to Power Sector Focus. <https://bit.ly/2l3OWTA>

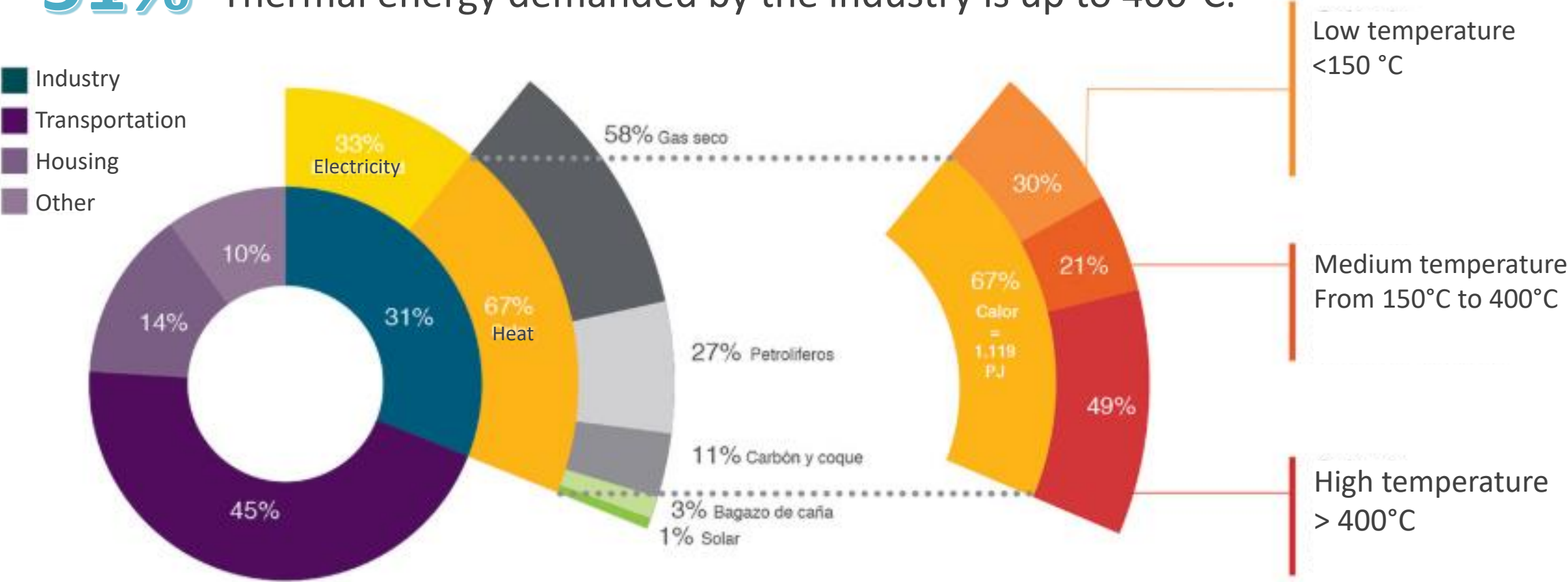
Electric Energy: Potencial de recursos Renovables en México



Thermal energy in the industry in Mexico

67% Energy consumption in the industry is related to thermal energy.

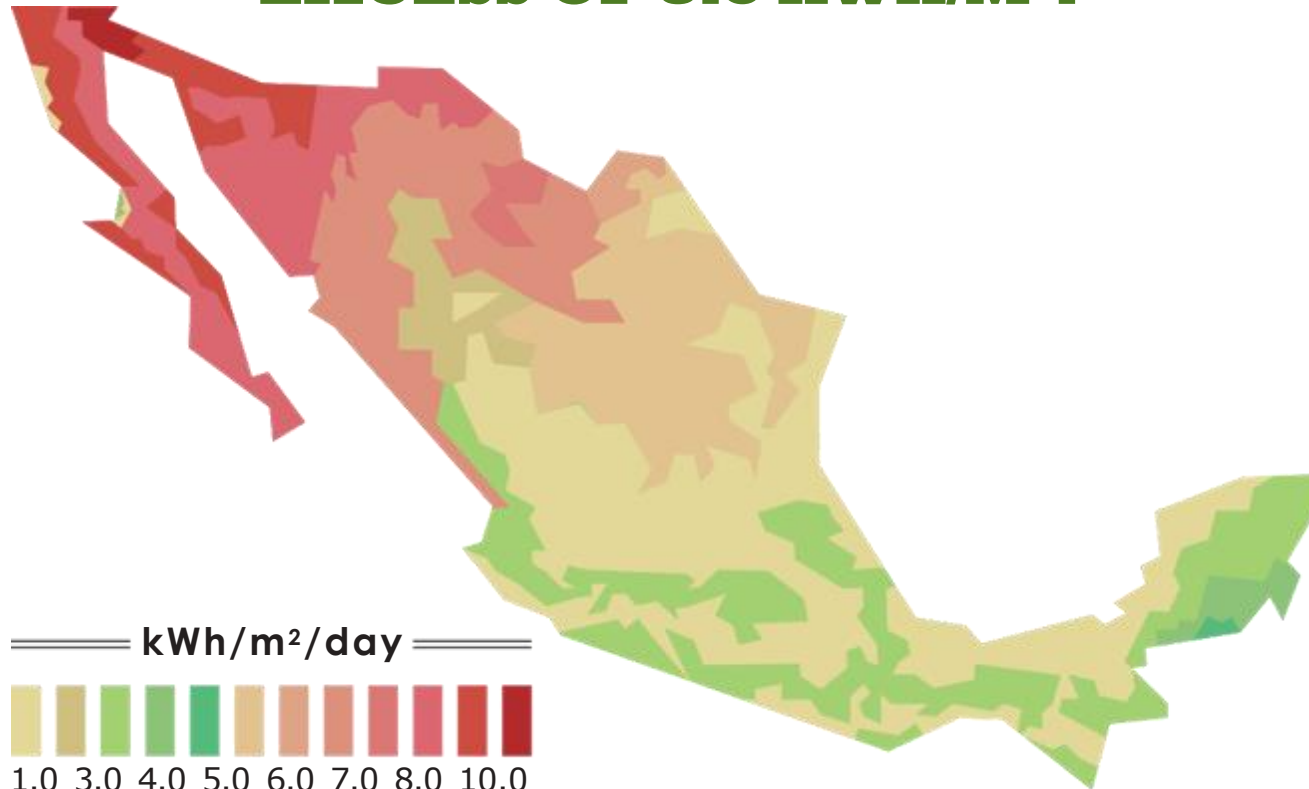
51% Thermal energy demanded by the industry is up to 400°C.



Source: <https://www.solar-payback.com/?lang=es>

SOLAR POTENTIAL

*The AVERAGE **daily** SOLAR RADIATION during the year is 5.5 KWH/M², and can reach values in **EXCESS OF 8.5 KWH/M².***



Source: Renewable Energy Prospects 2014-2028, Ministry of Energy.

SOLAR POTENTIAL

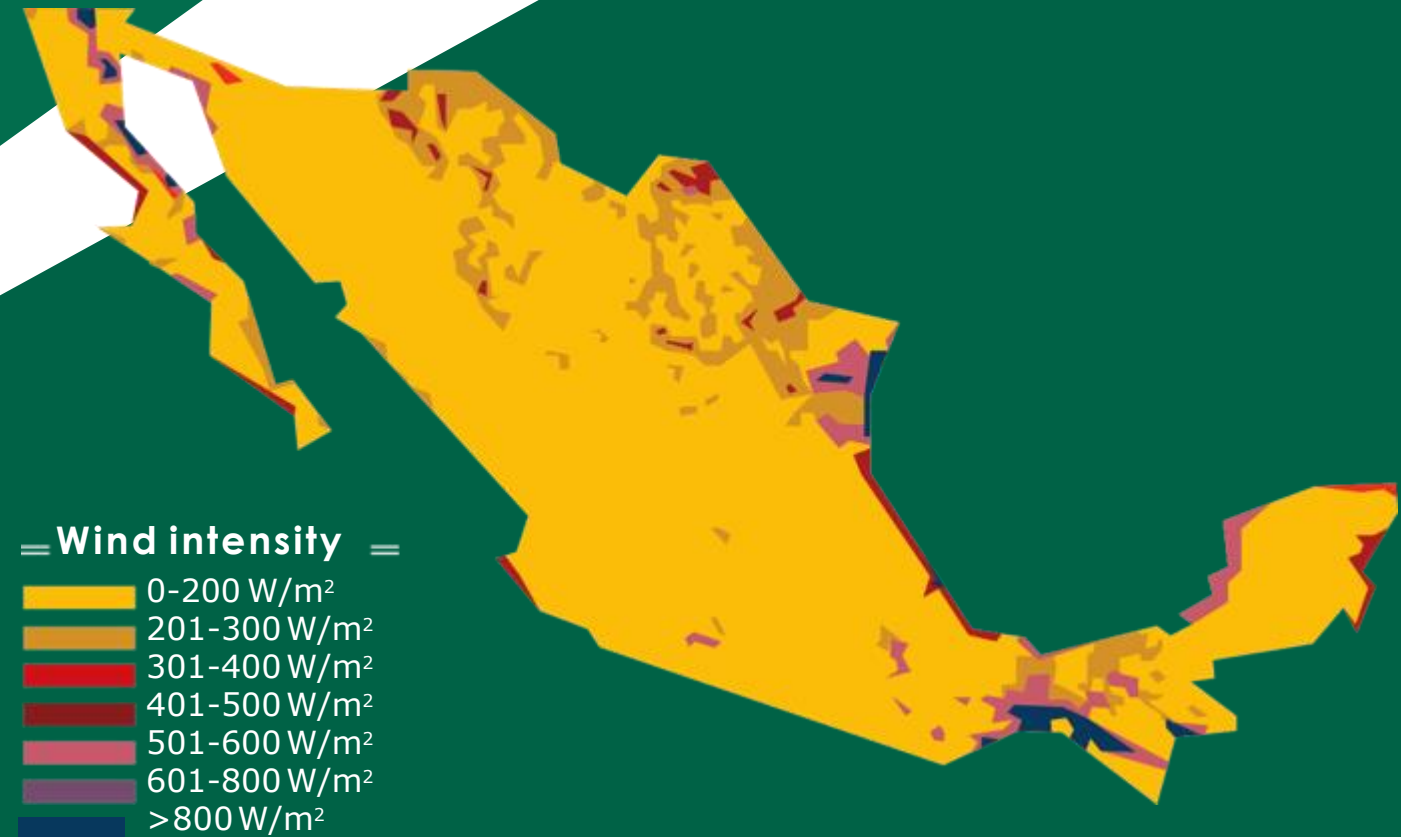
- The **geographic location of Mexico** positions it as the **third most attractive country** in the world for **investing in solar photovoltaic energy projects**, behind only China and Singapore.
- According to the **INER**, **solar energy** has a generation potential of **6,500,000 GWh**.
- It receives twice as much solar radiation as Germany.
- Leipzig, Germany with 2.7 kwh/m2
- Sevilla, Spain with 4.7 kWh/m2

Source: AMDEE

WIND POTENTIAL

Wind potential in Mexico is estimated at about 40,000 MW

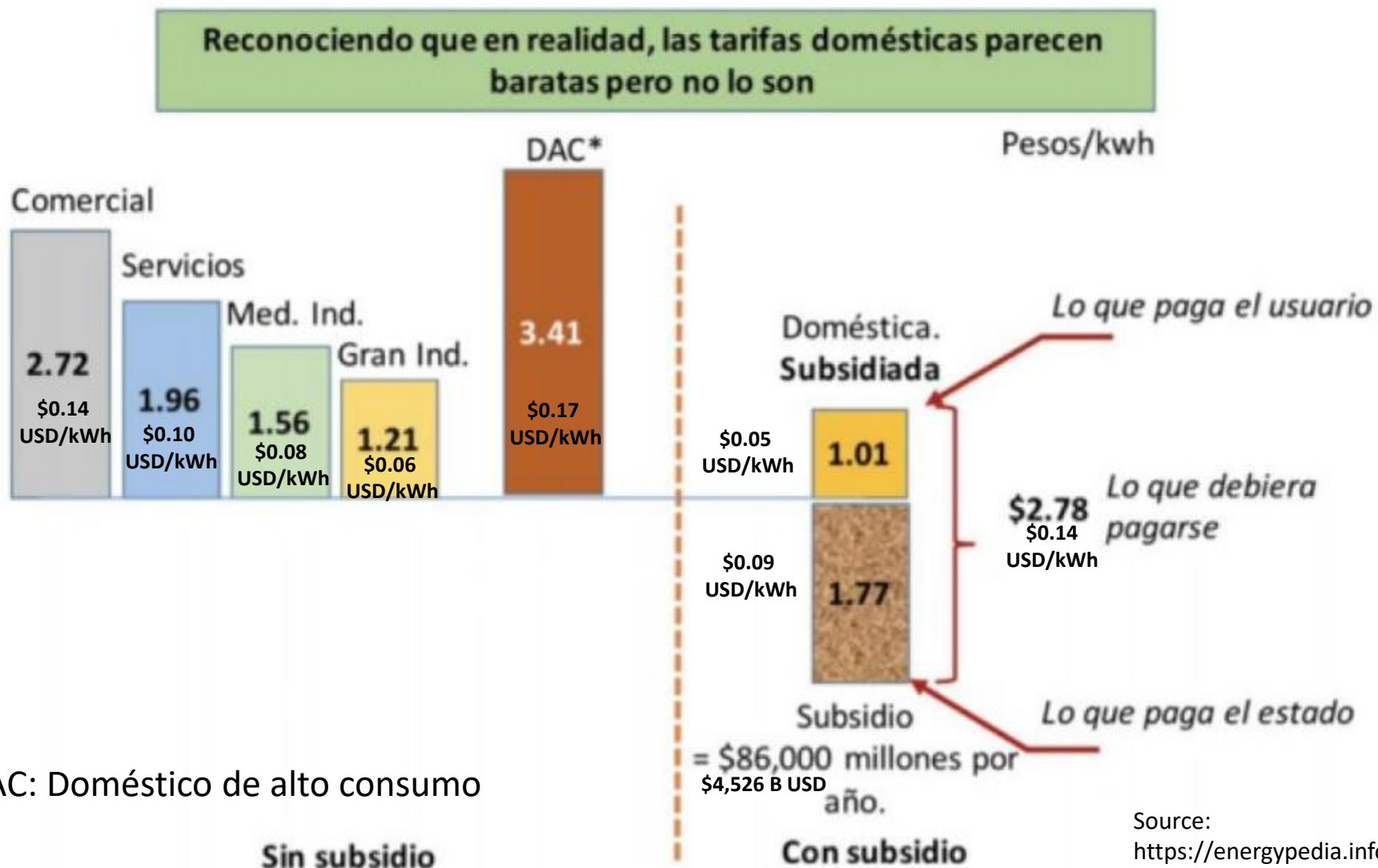
Potential regions for developing wind power projects



Source: AMDEE.

Source: AMDEE

Outlook: Reality of Energy cost



Source:

https://energypedia.info/images/b/b5/Presentation_Intersolar_Asolmex.pdf



INCENTIVES FROM MEXICAN GOVERNMENT

INCENTIVES Accelerated depreciation: Allows depreciation of 100% of investments in equipment and machinery to generate energy from renewable sources.

ZERO TARIFF: Exempts antipollution equipment and its parts from general imports or exports duties. Covers machinery, equipment, instruments, materials, animals, plants and other items used in technology research and development.

INCENTIVES FROM MEXICAN GOVERNMENT

TARRIFS CODE – HS CODE

HS CODE: 8501.31.01 / 8501.32.01

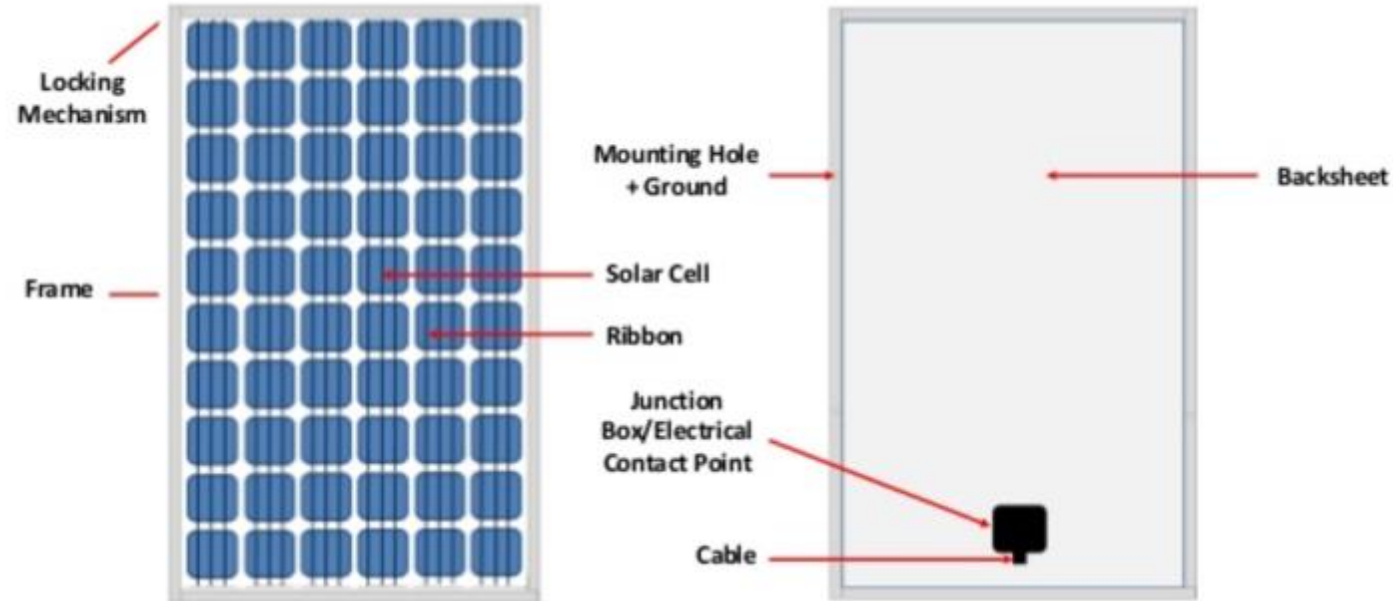
Generators

15% TARRIFS FOR IMPORTING SOLAR PANELS

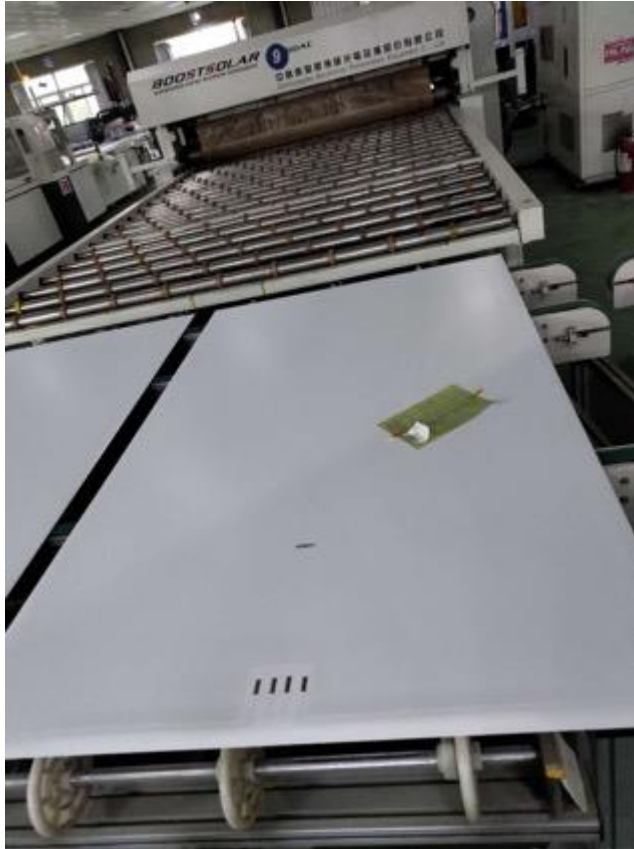
HS CODE: 8541.40.01 / 8541.40.02 and 8541.40.03

Photosensitive semiconductor devices, including photovoltaic cells, although they are assembled in modules or panels.

0% TARRIFS FOR IMPORTING SOLAR PANELS



TARRIFS FOR GENERATORS AND SOLAR PANELS



In order NOT to pay 15% tariffs, must import the solar panel without the Junction box



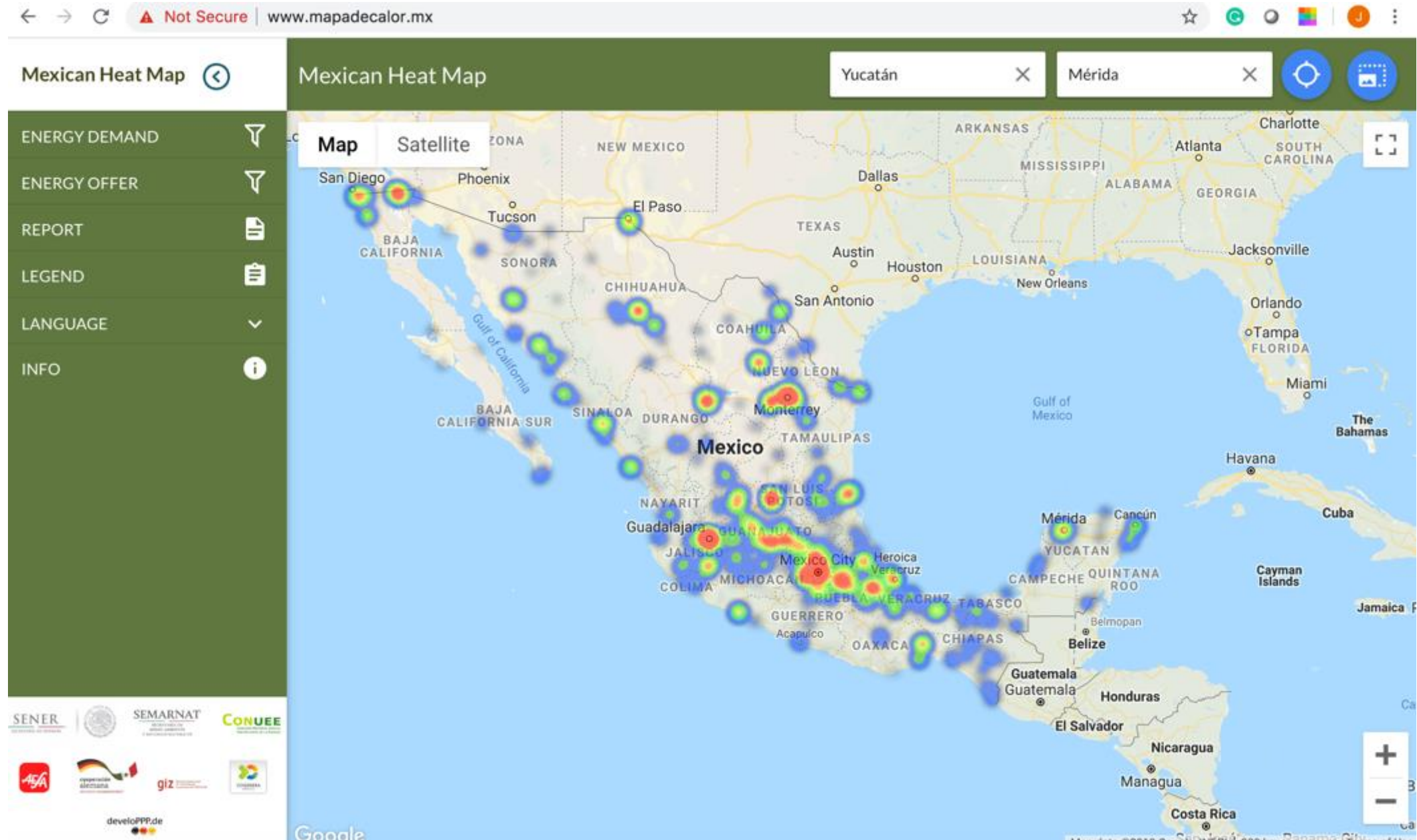
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**0% TARRIFS FOR IMPORTING
SOLAR PANELS**

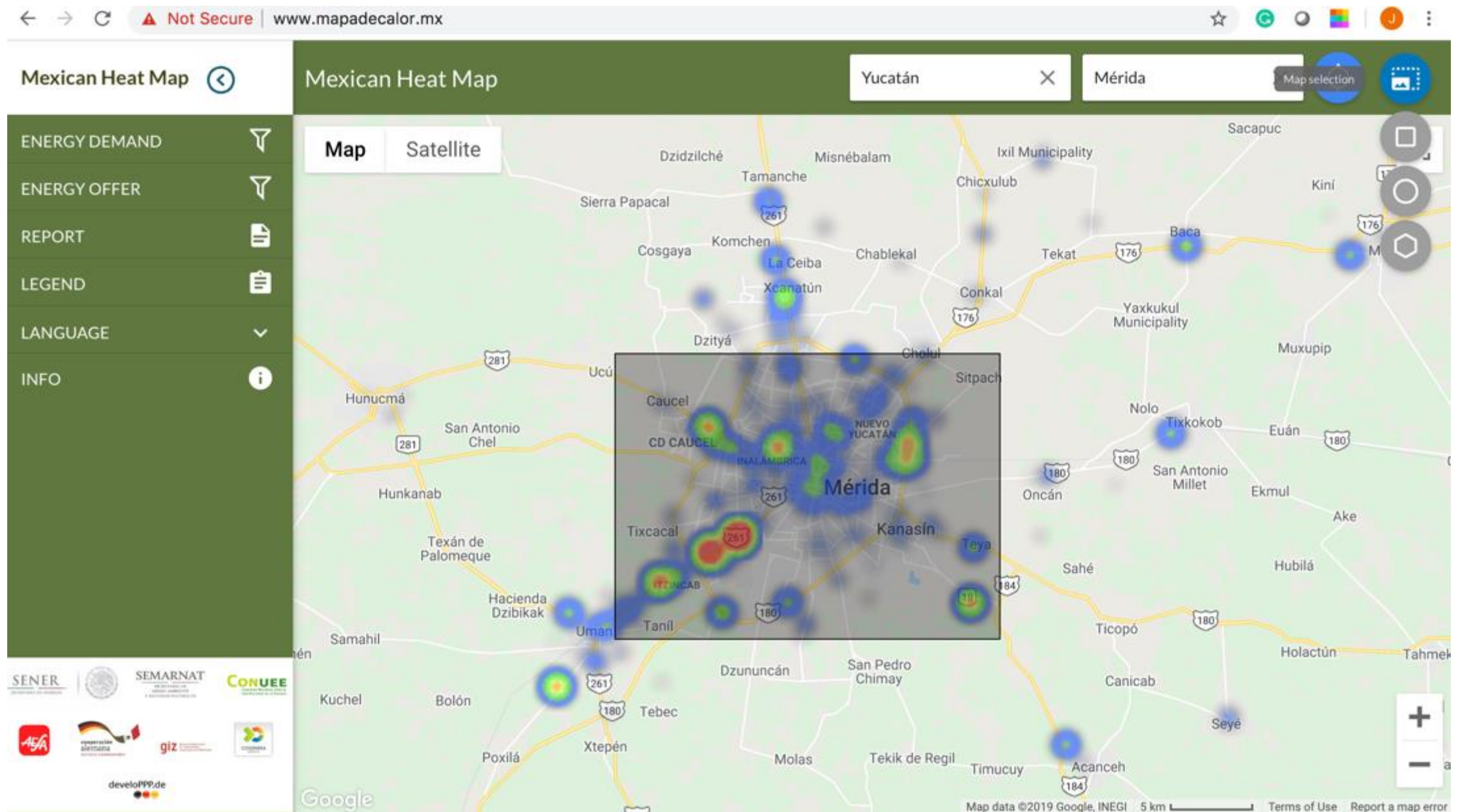
<http://www.economia-snci.gob.mx/>

MAPA DE CALOR



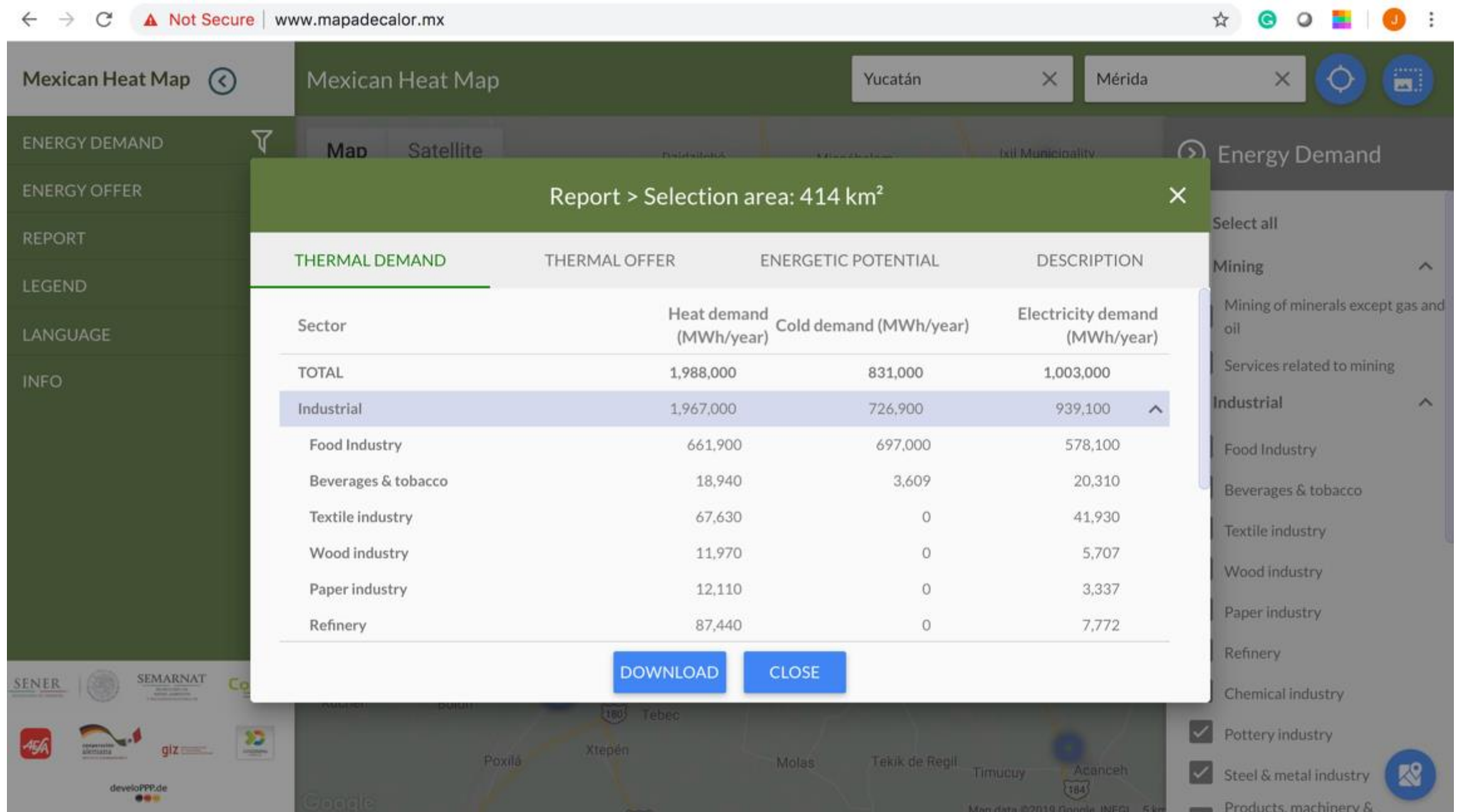
<http://www.mapadecolor.mx/>

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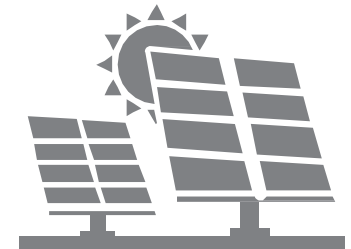
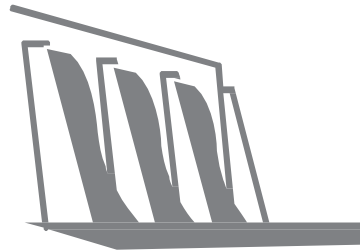
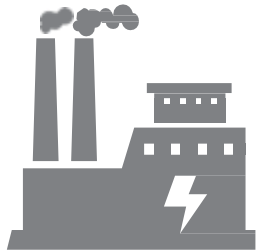
MAPA DE CALOR



<http://www.mapadecolor.mx/>

Q & A

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