

The Energy Transition in Mexico: Fundament for social inclusion and prosperity

Side Event & Expert Workshop



Energiewende – New Horizons

8th April 2019, 2:00 pm – 5:30 pm AGORA ENERGIEWENDE | ANNA-LOUISA-KARSCH-STRAßE 2 | 10178 BERLIN



Agenda

Time	Agenda	Time	Agenda
2:30 - 2:50	Mexico in a nutshell Cecilia Reyes Retana, Latin America Team, Agora Energiewende	4:10 - 4:30	Coffee Break
Part I: Analys Policy	sis of Mexico's Status Quo in Terms of Fiscal Context and Energy	Part II: Fund Transition	laments and Assumptions for a Socially Equitable Energy
2:50 - 3:10	Fundament I: Evolution, Status and Challenges of Mexico's Fiscal Situation:Alejandro Limón Portillo, Researcher at Centro de Investigación Económica y Presupuestaria (CIEP)	4:30 - 4:50	Renewable Energy and Electrification: A New Development Plan for Mexico Daniel Chacón, Energy Director at Iniciativa Climática de México
3:10 - 3:30	Fundament II: Oil & Gas in Mexico: Challenges & Opportunities Mariza Montes de Oca León, Researcher and PhD candidate DIW	4:50 - 5:10	Trends & assumptions for a socially equitable energy transition in Mexico Philipp Hauser, Senior Associate, Agora Energiewende
3:30 - 3:50	Fundament III: Status and Outlook of the Power Sector Juan Rosellón , Professor-Researcher División de Economía -CIDE	5:10 - 5:30	Discussion and Closing Remarks
3:50 - 4:10	Discussion and Indicative Conclusions on the Status Quo	5:30 - 6:00	Networking Coffee











Agora Energiewende – Who are we?



Agora is an independent Think Tank with more than 30 experts with diverse profile & expertise

Agora is financed by the Mercator Foundation & the ECF with a budget for 2012 – 2021

Mission: Ensure a successful energy transition in Germany & support our international partners

Method: Engage with stakeholders to define problems and use our expertise to develop solutions



Agora Energiewende – The way we work





Agora Energiewende – Our International Network





More information and relevant studies available at our website www.agora-energiewende.org





Mexico in a nutshell

Country Profile

Cecilia Reyes Retana BERLIN, 08/04/2019



Mexico in a nutshell

	World Rank	LATAM Rank
GDP(ppp): 2,4 USD trillion	11 th	2 nd
Population: 124 million	11 th	2 nd
GDP per capita (ppp) : 18.149 USD	69 th	5 th
Size: 1,9 million km ²	13 th	3nd

Some quick demographic and geographic facts







Mexico is expected to keep growing and it is a relevant player in the international markets

GDP Growth

2.1% 2018, expected 2.5% 2019 (EMEs 4.7%)

2.6% average growth last five years

Growth rate expected to increase in 0.1 pp until 2030 (**2.9%**)

GDP Composition by sector





12th largest exporter in the world (409B USD)

Exports are higher than the aggregated of the next 5 main exporters in LATAM (Brazil, Chile, Argentina, Colombia, Peru)

- 79% exports US \rightarrow second largest source of US imports 13.7%
- 90% under 12 trade agreements. 46 Free trade agreements (most in the world)
- 14th largest importer in the world (420 B USD)
- 9 best countries to invest in 2019 (PwC)

Mexico's growth is constrained by low labor productivity, high informal sector and workers low level of qualification







Mexico's growth is not distributed amongst its population, it is very unequal and poverty rates are very high





Mexico underperforms in multiple social indicators, even compared with OECD peers or LATAM countries





Investment in Mexico is high, but there is a gap in social investment



Some quick facts about the energy trends in Mexico







Low electric consumption relates closely to poverty and inequality



- → 98.7% electricity coverage
 - 240,000 inhabitants live in regions without electric access
 - However, 320,000 households do not have electricity
- Energy poverty is not considered as part of the multidimensional poverty measure by CONAPO
 - Relative deprivation: lightning, refrigeration, thermal comfort, entertainment, water heating & cooking



Mexico set important clean energy targets under the Paris Agreement



- → Under the Paris Agreement, Mexico committed to reduce by 2030 its GHG emissions in 22% and the carbon intensity of the GDP in 40%
- → In the energy sector, Mexico aims to achieve 35% clean energy, which includes nuclear and cogeneration by 2024, and 43% by 2030, reducing 30% of GHG emissions from the power sector
- → If we consider conditional commitments, an extra emission reductions of 14% than in the unconditional pledges. Conditional commitments depend on international cooperation with technological transfers, access to carbon finance and international carbon markets.



Another key aspect of the Mexican Energy Sector was the long-awaited 2013 Energy Reform

→ 2013 Constitutional reform that allowed for the first time in 75 years private and foreign investment throughout the value chain of the Energy Sector

2013 Reform: Oil & Gas

- → Pemex "Productive State Company" (EPE),
- Pemex allowed to sign licenses, shared production contracts, profit-sharing contracts and service contracts
- → Bidding rounds for upstream
- → Oil Stabilization Fund → increase transparency and fiscal discipline

2013 Reform: Power sector

- Private participation in all the value chain
- Generation became a competitive activity
- CFE as EPE and separated vertically and horizontally to avoid monopolistic behavior.
- The system operation was transferred from CFE to CENACE

→ Strong regulatory bodies & system operators: CRE, CNH, ASEA, CENAGAS, CENACE



New political environment

- → December 2018 New government under Andrés Manuel López Obrador
- → Leftist platform
- → Won with 52% of votes. Highest since Mexico has real electoral competition
- → MORENA, AMLO's party, has a simple majority in both houses of congress
- → 100 days of government rate of approval 80%
- → Objectives: Social equality, prosperity and fighting corruption
- → Promote a new economic model based on welfare, productivity, Strong Internal Market, Fair Wages, Strong SMEs, International Competitiveness and the state as a guide of investment
- → Criticizes the 2013 Energy Reform arguing that it has reduced the role and capacity of the state monopolies PEMEX and CFE, endangering energy sovereignty & that the benefits have not reached most of the population



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Thank you for your time!

Questions or Comments? Feel free to contact me: cecilia.reyesretana@agora-energiewende.de

Agora Energiewende is a joint initiative of the Mercator Foundation and the European Climate Foundation.