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Mexican Electricity Sector

Comisión Federal de Electricidad Transmission Sector

CFE FIBRA E

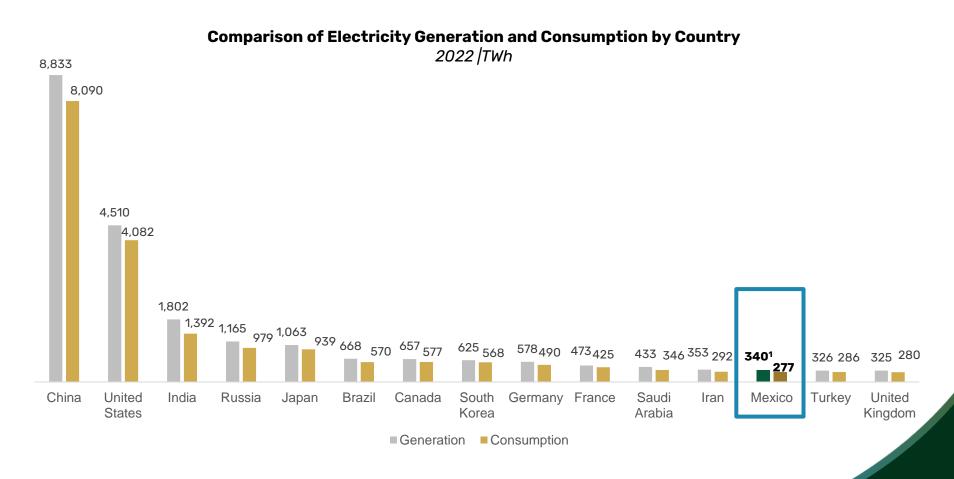
Annexes



## Generation and Consumption of Electricity



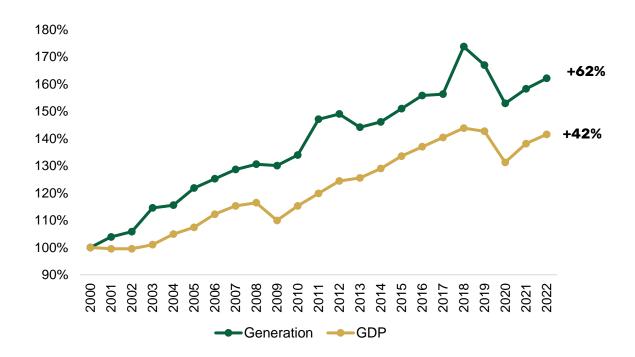
During 2022, Mexico was ranked #13 for electricity generation in the country.



#### Generation Growth vs. GDP Growth



# Electricity Generation Growth Rate and Real GDP¹ Growth Rate in Mexico $2000 - 2022 \, | \, \%$



From 2000 to 2022, GDP<sup>1</sup> in Mexico has grown by **42**%, while electricity generation has grown by **62**% in the same period.

Note: It is a base 100 graph, that is, the data for 2000 is taken as a reference and is our 100%, the data for each year is compared against it.

Source: Own elaboration with generation data extracted from Enerdata and GDP data extracted from the World Bank as of January  $8^{th}$ , 2024.

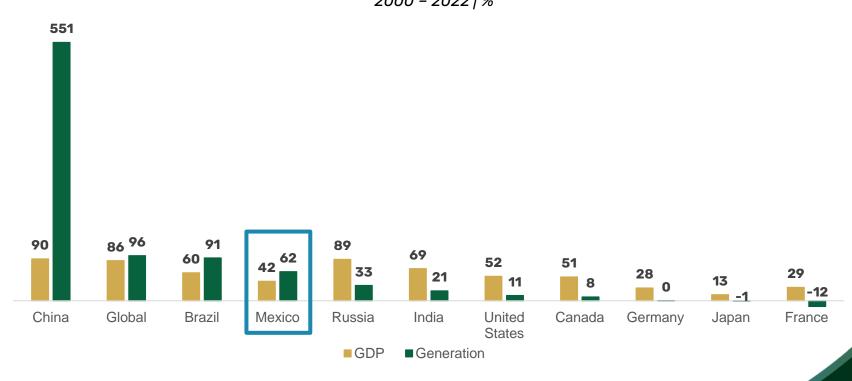
<sup>&</sup>lt;sup>1</sup>The Gross Domestic Product (GDP) was taken in dollars at constant 2010 prices.

## Growth of the Mexican Electricity Sector



Mexico is in the **third place** for the differential indicator between GDP¹ growth respect the growth of electricity generation.

# Comparison of the Cumulative Growth Rate of GDP¹ and the Cumulative Growth Rate of Electricity Generation by Country 2000-2022/%



# Company Located in a Defensive Sector and with Favorable Prospects



#### Factors that drive electricity demand and consumption in Mexico



Sustainable Economic Growth



Integration with North America



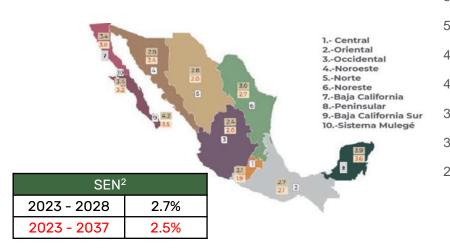
Nearshoring Opportunities

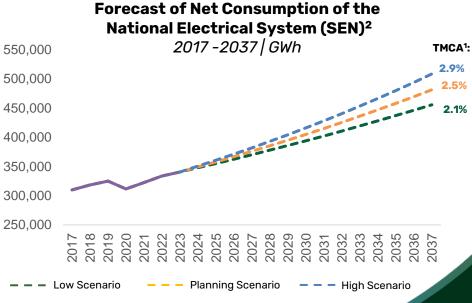


Population growth

#### **Regional Forecast of Electricity Consumption**

2023 -2037 | TMCA1 % by region by two periods







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#### CFE: Leading Company in Mexico and Latin America



Total revenue

Figures at the end of 3Q23

- Comisión Federal de Electricidad (CFE) is the largest electricity company in Latin America in terms of installed generation capacity.
- In Mexico, it is the **largest company by total assets and total revenue**, with a strategic role for Mexican society.

**Total Assets** 

Figures at the end of 3023

#### MW Millions pesos Millions pesos CFE CFE \$2,327,800 \$502,500 69,370 \$461,809 PEMEX. \$2,204,832 PEMEX. 43,816 américa \$213,065 \$1.592.142 Walmart :: enel 16,476 \$203,8... **FEMSA** américa \$818,158 \$188,0... GrupoMéxico \$638,930 **FEMSA** 12.080 **ENGIE** \$100,330 S605.251 BIMBO 5.635 **aes** Andes \$73,465

alfa

GrupoMéxico <sup>2</sup>

\$69.674

Source: Quarterly reports available from the different companies and correspond to the third quarter of 2023. In the case of CFE, with data from the 3Q23 Quarterly Report. ¹Data as of the first quarter of 2023. ²Conversion to pesos using the MXN \$17.50 per dollar exchange rate.

\$438.546

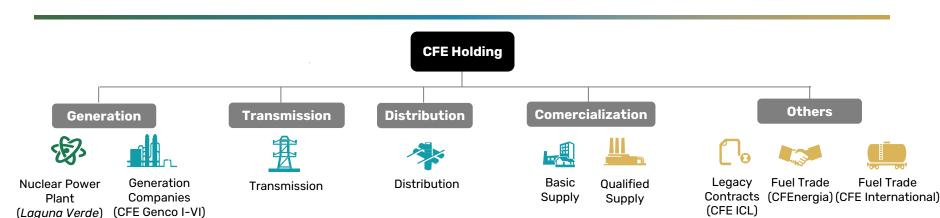
\$363,974

**Installed Generation Capacity** 

Figures at the end of 3Q23

#### Strategic Relevance and Unique Market Positioning





- #1 in Mexico with ~ 73% of electricity supply in the country.
- Installed generation capacity of 69,370 MW.<sup>1</sup>
- The CFE contributes 55% of the total clean energy generated in the country.
- #1 in transmission in Mexico, exclusive activity of the Mexican State.
- +110 thousand km of transmission and subtransmission lines.
- 61.778 km of fiber optic network.
- **#1** in distribution in Mexico. exclusive activity of the Mexican state.
- **892.269 km** in medium and low voltage networks and distribution lines.
- #1 in Basic Supply (100%) +30% in Qualified Supply.
- Coverage of 48 million users.
- 91,200 free internet access points in public places.

- **Financial** Services
- (CFECapital)
- LAPEM Equipment and Materials Testing Laboratory
- PAESE **Electrical Sector Energy Saving** Program

**Telecommunications** 

and Internet para

Todos



- Subsidiaries
- **Affiliates**
- **Business units**

Note: 1Total installed capacity of the CFE from January to September 2023. Includes PIES and Long-Term Auctions. Source: CFECapital with data obtained from the CFE Business Plan 2024-2028 and from the presentation to CFE investors: Operational and financial results as of 3rd. Quarter of 2023, October 31st, 2023. Morning Press Conference of President Andrés Manuel López Obrador, January 11th, 2024.

#### **CFE Stronger Than Ever!**





Five years into the federal administration, CFE has consolidated its rescue, through the promotion of projects aimed at **strengthen energy generation**, the **strengthening of electrical networks** and the signing **of strategic alliances** with companies with extensive experience in the supply of natural gas.



CFE is executing an unprecedented construction and investment for \$9,171<sup>1</sup> million dollars that will allow CFE to generate 52% of the electricity in Mexico by September 2024.



Additionally, with the Federal Government's contribution of 13 Ex-Iberdrola generation plants to CFE which add 8,539 MW, the generation participation will increase to 61% in September 2024.



The capacity obtained with the projects is equivalent to covering the demand of 13.6 million new users, demonstrating that CFE is ready to serve the companies established in the country, in the face of the Nearshoring phenomenon.

## **Strengthen Energy Generation**



The program to strengthen the energy generation park is made up of four types of projects:

Project Type	Number of Projects	Installed Capacity (MW)	<b>Investment</b> (Million dollars)
1. Clean energies	<ul><li>2 Photovoltaic Power Plants</li><li>20 Hydroelectric</li></ul>	6,925	3,191
2. Priority Generation Plants	<ul><li>5 Combined Cycle Power Plants</li><li>1 Turbogas Central</li></ul>	4,047	3,445
3. Short term projects	<ul><li>5 Combined Cycle Power Plants</li><li>2 Internal Combustion Plants</li></ul>	2,948	2,535
4. Acquisition of power plants*	<ul><li>2 Plants in operation</li><li>1 Plant in modernization</li></ul>	431	164
Total	38	14,351	9,335

## 1) Clean Energies





Between 2019 and 2023, CFE provided 206,962 GWh into the grid, that is, 55% of the accumulated clean energy.



With the implementation of these clean energy projects, the CFE reaffirms itself as the largest generator of clean energy in Mexico.



22 clean energy projects that will have a historic investment of 3,191 million dollars and represent 6,925 MW of capacity, which adds 1,573 MW to the National Electric System.



The entry into operation of the clean energy projects will contribute to the reduction of annual emissions into the atmosphere by 15.5 million tons of  $CO_2$ , which is equivalent to taking nearly 7.24 million cars off the road.

Project	Installed Capacity (MW)	Investment (Million dollars)
Photovoltaic Power Plant Puerto Peñasco (Sonora) <sup>1</sup>	1,000	1,600
Photovoltaic Power Plant Nachi Cocom (Yucatan) <sup>2</sup>	7	52
Modernization, renovation and equipment of hydroelectric plants	5,918	1,540
Total	6,925	3,191

## 1) Clean Energies: Photovoltaic Power Plants



The CFE develops 2 photovoltaic projects for the use of solar energy in the country.



## PPP Puerto Peñasco (Sonora)

- The largest in Latin America due to its capacity.
- In Mexico, the first of its kind by incorporating a storage system with a battery bank of 192 MW capacity.
- In a historic event, it interconnects the Isolated System of Baja California with the National Interconnected System with a 290 km line.
- The progress of Phase 1 is 100% and Phase 2 is 67%.\*



#### PPP Nachi Cocom (Yucatán)

- It will provide energy for **electric buses** of the Electric Transportation System.<sup>1</sup>
- Buses will be zero emissions.
- It will **reduce operating costs**, making rates more accessible to users.
- The progress is **59%.**

# 1) Clean Energies: Renewal and Modernization of Hydroelectric Plants





The CFE invests \$1.54 billion dollars for the renovation, modernization and equipment of 20 hydroelectric plants.

- 16 plants are modernized through the renewal and replacement of its main equipment, since some equipment had more than 40 years of operation.
- Equipment of 4 dams, that is, the power plant is built inside the dams.

This investment will extend the useful life of the plants for **another 50 years**.

The supply of the main equipment of all the plants will be complete in 2024.

#### **Electric Power Generation Projects**



10 Combined Cycle Power Plants (CCP), 2 Internal Combustion Power Plants (ICP), and 1 Turbogas Power Plant (TP) are being built.



## 2) Priority Generation Plants



Central	Capacity (MW)	Advance
CCP Mérida	499	73%
CCP Valladolid	1,020	71%
CCP San Luis Río Colorado	647	67%
CCP Tuxpan Fase I	1,056	61%
CCP González Ortega	641	65%
TGP González Ortega	184	100%
Total	4,047	



The construction of 5 Combined Cycle Power Plants and 1 Turbogas Power Plant represents an investment of \$3,445 million dollars that will provide 4,047 MW.



The objective of these projects is to strengthen and guarantee energy generation in priority regions.



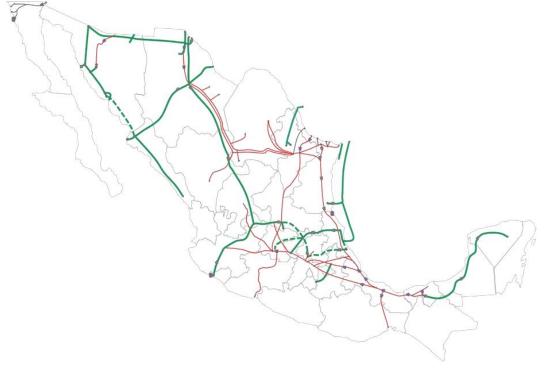
The projects are fully financed with profits from CFEnergía and CFE Transmission.<sup>1</sup>

Combined Cycle Power Plants (CCP) use cutting-edge technology, which allows the generation of electricity in a continuous and reliable manner.

#### Gas Supply



CFE, through its affiliate company CFEnergía, has positioned itself as the main marketer of natural gas in Mexico.



The CFE guarantees the **supply of natural gas to 92 generation plants**, with a capacity of 44 thousand MW of generation capacity.

Natural gas today represents **65% of the country's electricity generation.** 

As a result of replacing diesel and fuel oil with natural gas, savings of 160,688 million pesos have been recorded.



## Ranking of Natural Gas Marketers - United States of America

	Company	3Q2022	3Q2021	Change	
1	BP plc	14.51	15.15	-4%	
2	ConocoPhillips	9.90	9.60	3%	
3	Tenaska	9.86	10.50	-6%	
4	Macquarie Energy LLC	9.11	9.12	0%	
5	Shell Energy NA	8.60	8.20	5%	
6	Williams Cos.	7.10	6.90	3%	
7	Direct Energy LP	6.32	5.79	9%	
8	EQT Corp.	5.04	5.05	0%	
9	EDF Trading NA	4.26	3.81	12%	
0	Southwestern Energy Co.	4.23	2.73	55%	
11	Cima Energy LP	4.17	3.72	12%	
2	CFEi	3.78	3.77	0%	
3	J. Aron & Co.	3.61	4.16	-13%	
4	Castleton Commodities International	ILLC 3.19	2.88	11%	
5	Antero Resources Corp.	3.18	3.54	-10%	
6	Coterra Energy Inc.	2.81	2.36	19%	
7	ExxonMobil	2.35	2.70	-13%	
7 Symmetry Energy Solutions LLC 2.35 2.59 -9				-9%	
9	Candian Natural Resources Ltd.	2.13	1.71	25%	
20	ARM Energy Management LLC	1.86	2.34	-21%	
21 Hartree Partners LP 1.72 1.75 -2%				-2%	
22	Chevron Corp.	1.71	1.71	0%	
23	Ovintiv Inc.	1.50	1.57	-4%	
24	Diversified Energy Marketing plc	1.28	0.96	33%	
25 NJR Energy Services Co. 0.52 1.01 -4				-48%	
Total 115.09 113.62 19					
mo	Visit NatGasIntel.com/Marketer- rrection — The gas volume figures for  unt of North American gas produced in the  rican gas sold. It does not take into acco	some of the re	espondents re ad of the amo	epresent th	

### Strategic Alliances



- Strategic alliances will allow the CFE to obtain economic benefits for the commercialization and transportation of natural gas.
- CFE will become a natural gas exporter.



Development of a new marine pipeline - Puerta del Sureste gas pipeline, which will transport natural gas from Tuxpan to Coatzacoalcos, in the state of Veracruz, to continue to Paraíso, Tabasco.

August 2022



- Partnership for 2 liquefaction plants to export natural gas to international markets.
- Production of both plants of 4.2 million tons per year.
- Use of the underutilized capacity of the Brownsville and South of Texas-Tuxpan gas pipelines.

  October 2022





- Expansion of the Mayakan Pipeline, to double the natural gas transportation capacity with the construction of 700 km of infrastructure in Yucatán, Campeche, Tabasco and Quintana Roo.
- Guarantees the supply of gas to existing and new generation plants and meets the energy demand of the southeast for the next 30 years.

  November 2023



- Development and operation of a gas pipeline in the north of the country, with an approximate length of 416 kilometers.
- Guarantees the supply of natural gas to the existing plants in the area, as well as the González Ortega and San Luis Río Colorado combined cycle plants.

December 2023



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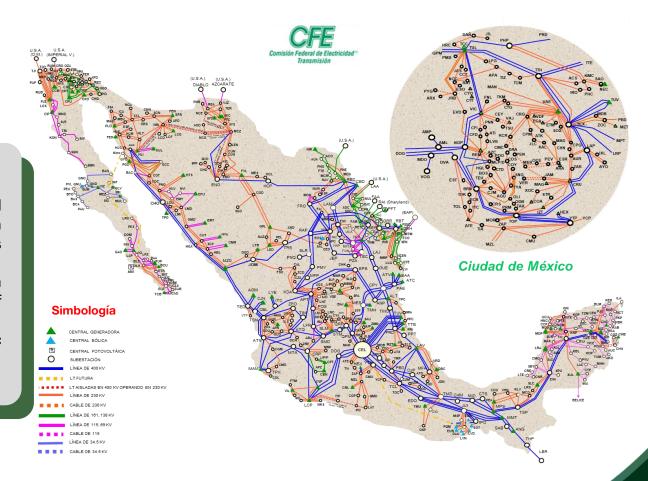
## National Transmission Grid (NTG)





The CFE has +110 thousand kilometers of transmission lines, equivalent to 8.7 turns around the earth.

- 2,279 substations<sup>2</sup> with a transformation capacity of 165,541 MVA's
- 61,778 km of Fiber Optic Network<sup>1</sup>



## **Transmission Projects**



In the period 2018-2022, an increase of **2,432 km of transmission lines** at various voltage levels was achieved and **87 power substations** were built, that **increases the transformation capacity 2,939 MVA.** 

#### Projects Instructed by SENER<sup>1</sup> to CFE Transmission in Operation\*

Project	Regional Control Management / Isolated Interconnected System	State	Date of Entry into Operation
Ascensión II Banco 2	North	Chihuahua	February 2020
El Habal Banco 2	North East	Sinaloa	December 2019
Mezquital MVAr	Mulegé	Baja California Sur	February 2021
Santa Rosalía Banco 2	Mulegé	Baja California Sur	June 2021
El Carrizo MVAr	North East	Sinaloa	December 2021
Recreo MVAr	Baja California Sur	Baja California Sur	December 2021
Jímenez Las Norias y San Fernando MVAr	North East	Tamaulipas	June 2022
Quilá MVAr	North East	Sinaloa	December 2022
Frontera Comalapa MVAr	Oriental	Chiapas	March 2023

#### Transmission Projects



- Additionally, 182 projects instructed by the Energy Ministry (SENER¹) to CFE Transmission are expected to come
  into operation, constituting a total of 4,324 km of Transmission Lines, of which the largest contribution will be
  in the states of Sinaloa, Hidalgo, State of Mexico, Guanajuato, Nayarit and Quintana Roo.
- Also, CFE Transmission has 57 Investment Projects and Programs related to the maintenance of transmission lines, power substations, acquisition of computing equipment and rehabilitation of buildings and workshops.
- Among these projects the following stand out:

"I 20- SIN1 Solution to the problem of congestion of the internal links of the Northwest Regional Control Management and the transmission links with the Western and North Control Management"

• This project in the state of Sinaloa has a construction scope of 612 km of transmission lines, which will allow the reinforcement of the 400 kV backbone network, and it also contemplates the addition of 170 km in the state of Nayarit.

"I19-CE1 Increase in transmission capacity from the Northeast region to the Center of the Country".

 This project located in the states of Hidalgo and the Mexico State will strengthen the transmission grid between the regions of Tamazunchale and the Valley of Mexico.

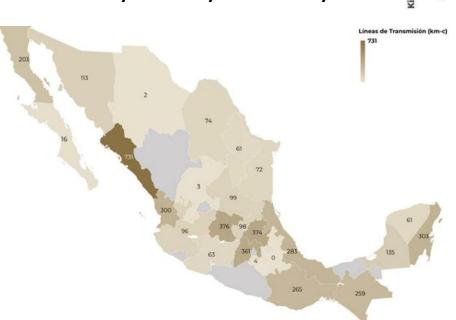
#### **Transmission Projects**

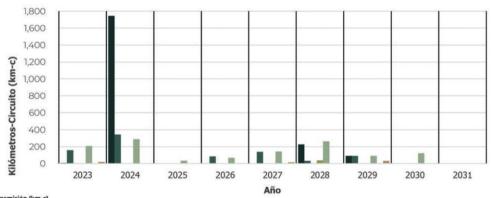


# Length of the NTG<sup>1</sup> expansion transmission lines instructed by SENER<sup>2</sup> per year by entry into operation and voltage level

- At 400 kV a total of 2,096.1 km will be added
- At 230 kV 843.7 km
- At 161 to 69 kV 1,384.9 km.

# Length of the NTG<sup>1</sup> expansion transmission lines instructed by SENER<sup>2</sup> by federal entity



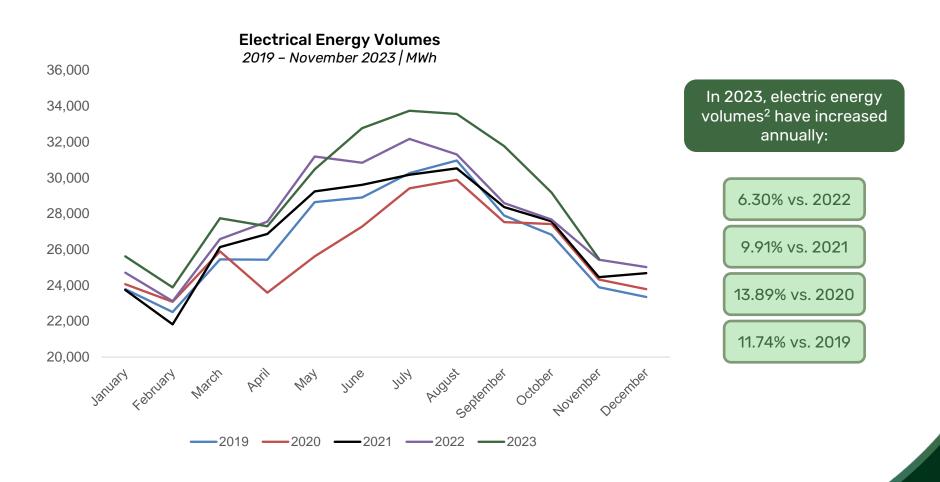


■230 kV ■161 kV ■138 kV ■115 kV ■85 kV ■69 kV

The total investment required corresponds to **84,004 million pesos** from 2023 onwards.<sup>3</sup>

## Volumes of Energy Transmitted Trough NTG<sup>1</sup>





#### **Transmission Tariffs 2024**



#### **Electricity Transmission Tariffs**

2024 | MXN/ KWh

Voltage Level	Interconnected Generators	Consumers Entities Responsible for Charge
Voltage ≥ 220 kV	0.0599	0.0777
Voltage < 220 kV	0.1085	0.1769

## Formula for determining Electricity Transmission Tariff

$$TTt = \frac{Required\ Income}{Energy}$$

The Regulated Tariffs of the Public Transmission Service of 2024 had an average increase of 1% compared to the transmission tariff of 2023.

#### Main inputs published by the Energy Regulatory Commission (CRE)



#### **Required Income**

2023 y 2024 | Millions of pesos

2023	2024
\$75,946.4	\$80,681

The CRE determined for CFE Transmission a Required Income (RI) for the year 2024 that is **6.23% higher** compared to the RI of the previous year.

# **Energy Estimates** 2024 | MWh

Injected Energy	Withdrawn Energy
360,390,142	337,815,312

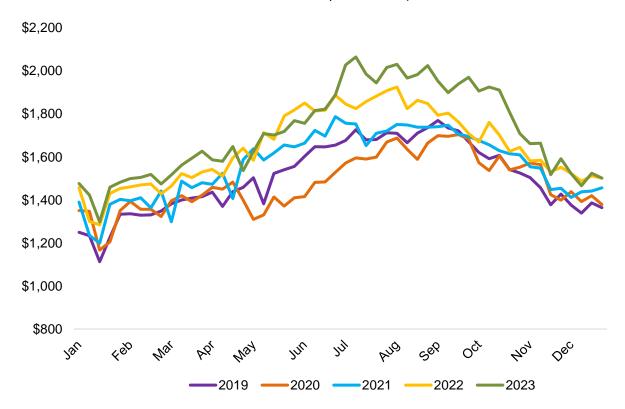
The electric energy projections for 2024 concerning the energy injected and withdrawn from the NTG that were used to calculate the tariffs present a growth rate of **5.36% and 5.61%,** respectively, for the projections used in 2023 transmission tariffs.

## Historical Revenues (2019-2023)



#### National Center for Energy Control (CENACE) Revenues

2019 - 2023 | Millions of pesos





The average revenues increased **4.19**% through 2023 in comparison to 2022 and **9.52**% to 2021.



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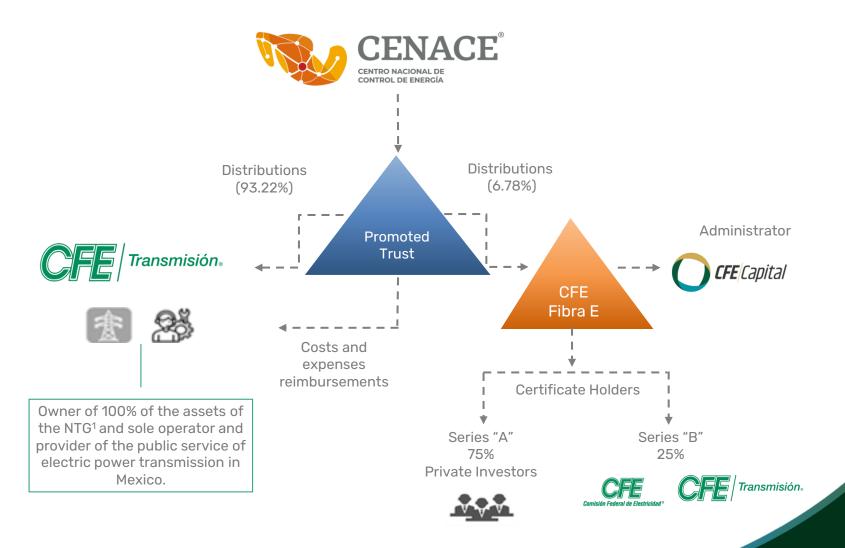
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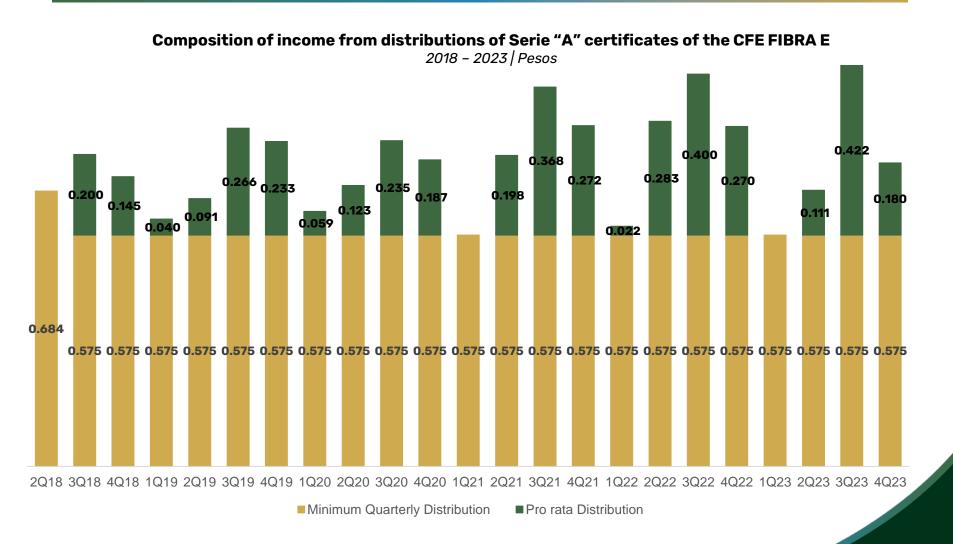
#### Flow of Revenues





#### Distributions of the CFE FIBRA E







Dividend Yield of CFE FIBRA E 2019 - 2023 | %

Year	Dividend Yield
2019	10.65%
2020	10.58%
2021	12.08%
2022	12.52%
2023	11.06%

Dividend Yield of CFE FIBRA E vs. Peers 2023 | %

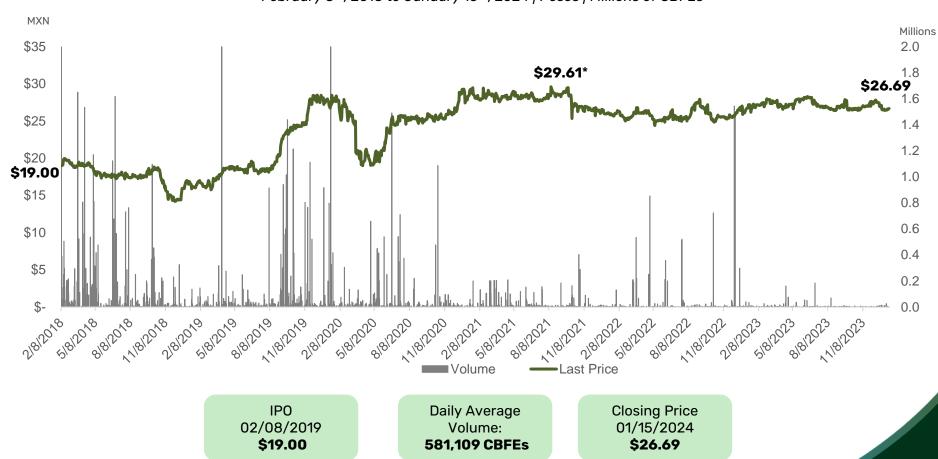
Instrument	Dividend Yield
FCFE18	11.06%
FUN011	7.62%
DANHOS13	8.59%
FNOVA17	7.96%
FIBRAMQ	6.32%
FIBRAPL	2.52%
TERRA13	4.72%
FBMEX INDEX	6.12%

#### Performance of the CFE FIBRA E



#### Price and Volume of the CFE FIBRA E

February 8<sup>th</sup>, 2018 to January 15<sup>th</sup>, 2024 | Pesos | Millions of CBFEs<sup>1</sup>



## **Analyst Coverage**



\$31.07

\$26.69

Potential Growth +16.41%

+16.41%

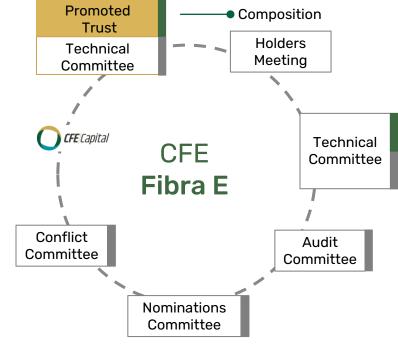
	Target Price	Recommendation	Observed Average Target Price  January 3 <sup>rd</sup> , 2023 – January 15 <sup>th</sup> , 2024   Pesos
# BANORTE	\$32.50	Buy	\$33.00
BBVA	\$34.00	Buy	\$32.00 \$31.00
<b>₩</b> BARCLAYS	\$27.00	Sell	\$30.00 \$29.00
<b>♦</b> Santander	\$30.00	Hold	\$28.00
MorganStanley	\$29.00	Hold	\$26.00 \$25.00
BTGPactual	\$33.00	Buy	\$24.00 — \$24
menex	\$32.00	Buy	Target Price 12M — Price

Note: The target prices estimated by the analysts are defined by them for the banking institutions they represent. Source: Own elaboration with data from Bloomberg as of January 15<sup>th</sup>, 2024.

#### Corporate Governance



- Approve the budget and distributions.
- Monitor budget and reimbursements.<sup>1</sup>
- Maintain the relationship with investors.
- Prepare performance reports and distributions.
- Approve the Administrator's budget.
- Approve Key Officials of the Administrator.



- Nominate independent members.
- Follow up on the Agreements of the Holders Meeting

- Approve leverage rules and changes in the investment regime.<sup>2</sup>
- Approve additional emissions.
- · Approve independent members.
- Review the performance of the Administrator.
- Approve the distribution amount.
- Discuss and, where appropriate, approve the appointment of the External Auditor and the Tax and Accounting Advisors.
- Ensure compliance with accounting policies, internal control and auditing rules.
- · Review financial statements.

CFE members
Independent members

Notes: <sup>1</sup>All decisions require the approval of the independent members. <sup>2</sup> Leverage rules require approval from the Technical Committee and the corrective plan needs approval from the Conflict Committee.



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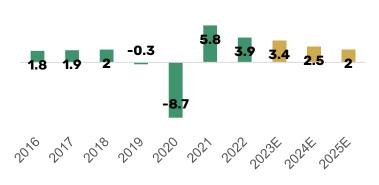


## **Macroeconomic Indicators**



#### **Growth of Mexico's Gross Domestic Product**

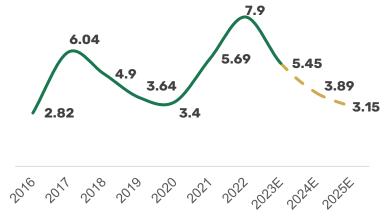
Real 2016-2022 | Estimates 2023 - 2025 | %



Source: Organization for Economic Cooperation and Development, January 11th, 2024.

#### **Inflation in Mexico**

Real 2016-2022 | Estimates 2023 - 2025 | %



Source: Organization for Economic Cooperation and Development, January 11th, 2024

## **USD / MXN Exchange Rate**

\$19	.27	\\	^	M\~	J.	4	^		<b>\</b>	**	الميا	٨.	ماد	٧,٨	٨.	٨.	M	**	^	44	\$	16.9	22
1/2/2018	4/2/2018	7/2/2018 -	1/2/2019 -	4/2/2019 -	7/2/2019 -	10/2/2019	1/2/2020	4/2/2020	7/2/2020 -	10/2/2020 -	1/2/2021	4/2/2021	7/2/2021	10/2/2021	1/2/2022	4/2/2022	7/2/2022	10/2/2022	1/2/2023 -	4/2/2023	7/2/2023	10/2/2023	

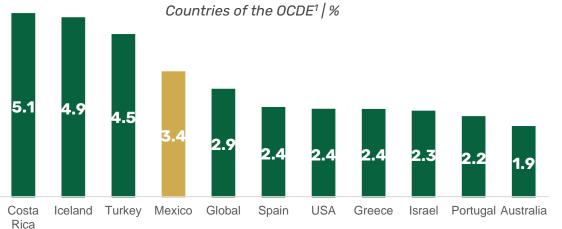
Source: Own elaboration with data from Bloomberg as of January 11th, 2024.

Year	USD- MXN average
2018	19.23
2019	19.25
2020	21.48
2021	20.29
2022	20.11
2023	17.74

## Mexico Macroeconomic Outlook

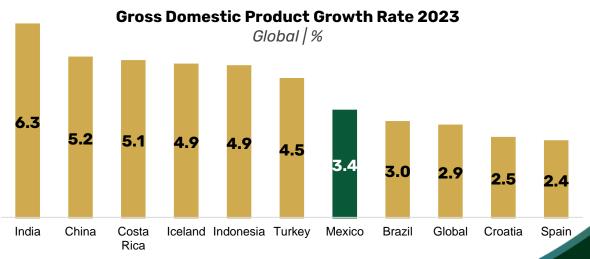


### **Real Growth Rate of Gross Domestic Product 2023**



Mexico is in **fourth place** among OECD countries<sup>1</sup> in terms of GDP growth rate for the year 2023 and is even **above the world average.** 

In 2023, Mexico was **ranked 7<sup>th</sup>** in the world's top ten concerning GDP growth rate, it is **even above the world average.** 



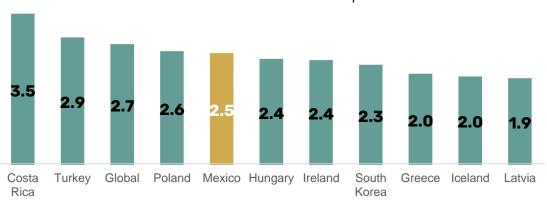
## Mexico Macroeconomic Outlook



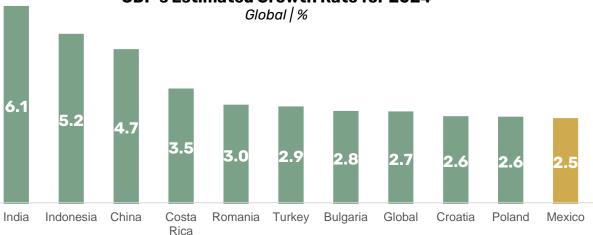
#### **GDP's Estimated Growth Rate for 2024**

OECD Countries<sup>1</sup> | %

Estimates of 2024 GDP growth worldwide were reduced regarding 2023. However, **Mexico remains in fourth place** among OECD countries.<sup>1</sup>



## **GDP's Estimated Growth Rate for 2024**



For GDP growth forecasts for 2024, Mexico is ranked 10<sup>th</sup> in the **global top ten** in terms of the countries that will grow the most in this period.

Notes: <sup>1</sup>Organization for Economic Cooperation and Development. Source: Own elaboration with OECD data as of January 8<sup>th</sup>, 2024.

## Foreign Direct Investment (FDI) in Mexico



- Mexico ranked fourth worldwide as a receiver of FDI in the first half of 2023.
- In Mexico, the amount of FDI from January to September 2023 is 30.3% higher than the registered in the same period of 2022.\*

## Top Ten FDI Receiver Countries in the World

January - June 2023 | Millions of dollars

Position	Country	Foreign Direct Investment
1	United States	189,515.0
2	Brazil	34,409.6
3	Canada	29,283.2
4	Mexico	29,040.8
5	China	27,253.9
6	France	18,795.7
7	India	16,671.0
8	Netherlands	16,192.4
9	Switzerland	15,920.0
10	Germany	15,625.6

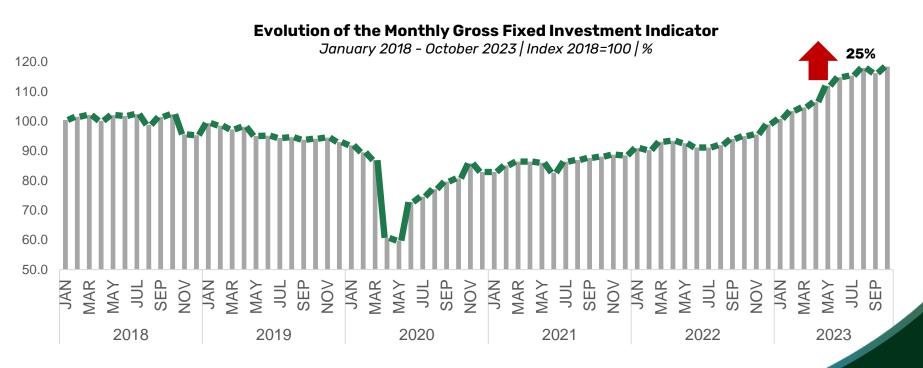
the Performance of Foreign Direct Investment in Mexico (January-September 2023), December 11th, 2023, p. 8,19. Available at:

https://www.cefp.gob.mx/publicaciones/documento/2023/cefp0452023.pdf

## Monthly Indicator of Gross Fixed Capital Formation



- This indicator exhibits public and private investment in goods used in production processes, that is, showing
  how a large part of the new gross value in the economy is invested, mainly in the construction, machinery, and
  equipment sectors.
- This indicator shows an increase of 25% in October 2023 compared to the same month of the previous year, which reflects the generation of new jobs and the demand for productive assets, creating optimal conditions for the arrival and relocation of new companies, in the long term. This generates a multiplier effect that results in the sustained growth of the Mexican economy.





## Investments Program 2023-2029\*

Millions of pesos

Process	2023	2024	2025	2026	2027	2028	2029+	Total Investment
Generation	48,010	91,802	64,720	20,575	10,364	4,380	-	239,851
Transmission	21,201	24,577	36,062	38,947	6,034	2,583	-	129,406
Distribution	8,431	17,124	17,833	16,299	8,911	6,385	69,286	144,269
Others	12,417	8,397	713	304	223	746	-	22,800
Total	90,059	141,900	119,328	76,126	25,532	14,094	69,286	536,326

Note: \*The Investment Project Portfolio is made up of the Investment Projects and Programs of the Planning Mechanism. The summary of these investments is subject to the availability of resources, as well as the approval of the Investment Commission, the Directors Board of the Subsidiary Productive Companies or the Directors Board of the CFE.

Source: CFE Business Plan 2024 – 2028.

# Regulated Tariffs of the Public Transmission Service of Electrical Energy



To determine the regulated tariffs of the public transmission service, the Energy Regulatory Commission (CRE) has defined the process to request Regulatory Information from CFE Transmission, as well as for the review, validation and request of additional information that is needed for the calculation.

1 Delivery of Regulatory Information

- CFE Transmission must comply with the criteria for the integration and presentation of Regulatory Information.
- CFE Transmission must present the Regulatory Information to CRE no later than the last business day of August of each year.
- •The Regulatory Information must be accompanied by supporting documentation and the corresponding justification for any change.

2 Review and Verification of information

#### CRE will review:

- •The correct application of the criteria for integration and presentation of information.
- •The reliability, consistency and comparability of the information.
- Verification of the information based on supporting documentation.

3 Additional information request

- •CRE may request clarifications, modifications or additional requirements from CFE Transmission.
- CFE Transmission will have a period of 10 business days to respond to CRE request.
- •The Regulatory Information reviewed and verified by CRE will constitute the basis for the calculation of the regulated Tariffs of the Public Transmission Service.

4 Sanctions

In the event that CFE Transmission does not present the Regulatory Information to CRE, sanctions may be applied.

## **Activities to determine Transmission Tariffs**



CRE<sup>1</sup> carries out different activities for the annual calculation of public transmission service tariffs following the long-term methodology, including:

#### 1. Estimate

## 2. Approval

## 3. Notification

#### 4. Publication

Tariffs may experience periodic revisions to their parameters by CRE¹ to include capital expenditures associated with expansion and modernization of the NTG, and infrastructure projects.

CRE¹ will determine the Transmission Tariffs according to the Methodology and will have 75 business days after receiving the Regulatory Information to determine the estimate of the Transmission Tariffs.

CRE<sup>1</sup> Governing Body will approve and issue the Transmission Tariff.

CRE<sup>1</sup> will notify CFE Transmission and CENACE<sup>2</sup> of the regulatory instrument through official means CFE Transmission will announce in the Official Gazette (20 business days) the date of implementation, the application period, the value and the unit in which the tariff will be expressed.

CRE<sup>1</sup> will publish the **calculation log** used to determine or adjust the Transmission Tariffs.

## Methodology to Determine the Transmission Tariffs



The components for calculating the tariffs of the public transmission services are the following:

 $OMA_{t0}$  $Ke_{t0}$ RInv<sub>t0</sub>  $OI_{t0}$ AF<sub>+</sub>  $C_{t0}$ OMA Cost **Capital Cost** Remuneration Cost for Other Income Adjustment Associations **Factors** on Return on Investments CFE Costs and Contracts generated by Updates the assets and its Transmission the operation. depreciation. Return and Consideration income value of the maintenance. as well as the depreciation for different to variables used Required Income = those by the administration loss on annual of associations or in the provision of Methodology and other disposal of assets from private the Public and is made costs incurred fixed assets new contracts by the CFE and the investments. referred to in Electricity up of the Transmission financial cost the Electrical Transmission annual for the incurred for Industry Law. Service. variation of the Exchange provision of the provision the Public of the Public Rate and the Electric Electric National **Producer Price** Energy Energy Index (INPP). Transmission Transmission Service. Service. Energy Projections established by the Energy Regulatory Commission based on observed growth Energy = provided by CENACE.1

Notes: to Base Year. Period that includes from January 1st to December 31st of the last information available regarding the year of application of the Electric Energy Transmission Tariffs. t: Year of application of Electrical Energy Transmission Rates

1 National Energy Control Center.

## **Evolution of Transmission Rate Methodology**



#### **Initial Tariff Agreement**

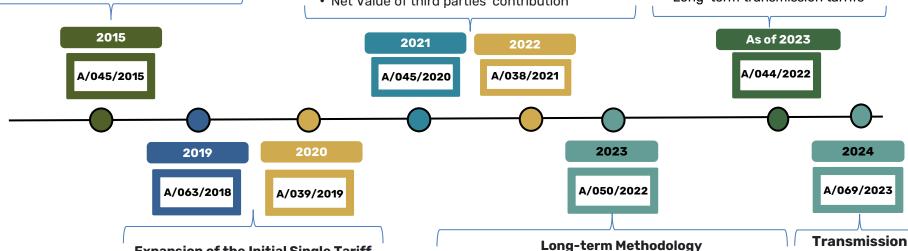
- Initial Rate Agreement
- Initial tariff period valid for three years.
- · Inputs were estimated, e.g., Rate of return and transmission costs.
- · Return on capital and depreciation.
- OMA
- 1% efficiency in OMA Costs

#### **Expansion of the Initial Single Rate Agreement**

- · 2019 Audited Financial Statements
- Costs updated by adjustment factors 90% inflation, 10% exchange rate
- OMA expenses
- · CAPEX: Asset Depreciation, Asset Profitability, Interest and Commissions
- To calculate return on assets:
- · New investments coming into operation,
- Rate of return (WACC)
- Net Value of third parties' contribution

#### Methodology for calculating and adjusting regulated transmission tariffs

Long-term transmission tarrifs



## **Expansion of the Initial Single Tariff**

**Agreement** Costs updated by adjustment factors 90% inflation, 10% exchange rate

- 2021 Audited Financial Statements
- OMA CAPEX: Profitability of Assets, Depreciation of Assets, Losses from the disposal of Fixed Assets, Interest and commissions
- ROI: Return on investment and Depreciation of investment
- · CAC: Cost of Agreements and Contracts
- · Costs updated by adjustment factors 90% inflation, 10% exchange rate
- Other income

**Tariffs** 2024

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## Performance Indicator of the NTG<sup>1</sup>



Performance	2019	2020	2021	2022
Transmission losses (%)	2.71%	2.71%	2.41%	2.37%
Average Frequency Rate of Interruptions of the NTG (SAIFI) (Interruptions)	0.091	0.063	0.109	0.079
Average Interruption Duration Index of the NTG (SAIDI) (Minutes)	3.198	2.216	6.123	3.471
Power not supplied (MWh²)	3,146	1,539	3,387	3,172
Number of Substations	2,223	2,258	2,275	2,279