

Oil and Gas in Federal Countries: Mexico

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Edmonton, AB

10-11 October 2008



Outline



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- 2. Federal Context
- 3. Constitutional and Legal Issues
- 4. Petroleum Industry in the Federal Context
- 5. Revenue Powers and Revenue Collection
- 6. Revenue sharing and transfers
- 7. Fiscal and Economic Stabilization
- 8. Horizontal balance, regional development
- 9. Transparency and accountability
- 10. Conclusions



1. Historical Background

- 1870s: first private firms
- 1890s: boom
 - O Porfirio Diaz, giving loose contracts with few constraints
 - Source of income for his government
- 1901: first oil law
- 1911-1913: taxes imposed to firms based on oil production
- 1917: Constitution
 - Mexican State is the owner of all reservoir of hydrocarbons
- 1938: Nationalization
 - Union problem
 - Nationalism



1. Historical Background

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- 1938: centralized planning in the sector
 - Oil industry develops
 - Supply oil for transportation and industry
 - Better conditions for employees
- 1944: tough problems
 - Payment to foreign firms for expropriation
 - Market for its oil (embargo)
- 1945-194: good period
 - Second World War
- 1950-1970: bad period
 - Low prices, economic and political problems



1. Historical Background

- 1972-1974: exploration in new fields
 - mainly in the southeast
 - existence of large oil fields
- 1975-1981: crises and new oil fields
 - World Energy crisis
 - Important oil field (Cantarell)
- 1982: Economic crisis
 - Excessive government spending
 - Nationalization in the banking system
 - Unfavorable Public Policies
- 1994-1995: economic crisis
 - Failure in the banking system



2. Federal Context



- 31 States and the Federal District
 - Three levels of government
- President of the Mexican Republic is elected by population
 - S/he is elected for six years
 - There is no re-election
- Senators and Deputies are elected by population
 - Senators are elected for six years
 - Deputies are elected for three years
 - There is no re-election
- Local Presidents are elected by population
 - They are elected for three years
 - There is no re-election
- Three main parties
 - O PAN, PRI and PRD



2. Federal Context

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- Federal government collets most of the taxes
 - Income tax
 - Value added tax
 - Oil taxes
 - Special taxes for some goods and services
 - Gasoline
- Local governments collect property (real state) tax
- Federal governments makes transfers to states and municipalities
 - No distinction among sources of tax income



2. Federal Context

Table 3. Political control of Congress: Percentage of Deputies and Senators

	Diputados (lower house)				Senadores (upper house)			
	PRI	PAN	PRD	Others	PRI	PAN	PRD	Others
1964	83	10	0	7	100	0	0	0
1967	83	9	0	8	100	0	0	0
1970	84	9	0	7	100	0	0	0
1973	82	11	0	7	100	0	0	0
1976	82	8	0	10	100	0	0	0
1979	74	11	0	15	100	0	0	0
1982	75	13	0	12	100	0	0	0
1985	72	10	0	18	100	0	0	0
1988	52	20	0	38	94	0	6	0
1991	64	18	8	10	95	2	3	0
1994	60	24	14	2	74	20	6	0
1997	48	24	25	3	60	26	12	2
2000	42	42	10	6	47	36	12	5
2003	45	31	19	5	47	36	12	5



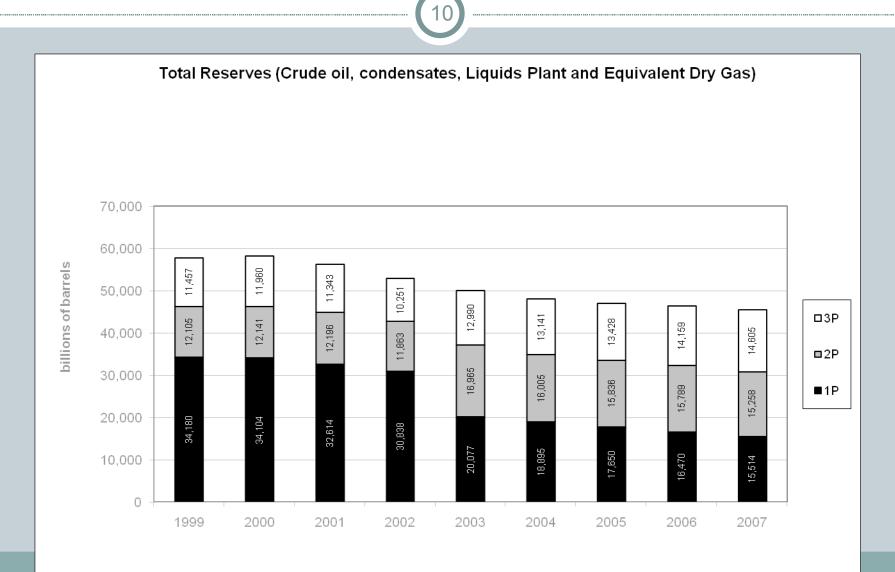
3. Constitutional and Legal Issues

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- Mexican Constitution
 - States that Mexican government is the only owner of the hydrocarbons
 - States that it is the only allowed to participate in the refining process of these hydrocarbons
- Chapter 5 in NAFTA
- Secondary Laws
- PEMEX is the State Owned Enterprise in the sector
 - "All process" is done by PEMEX
 - Exploration
 - Extraction
 - Refining
 - Sales

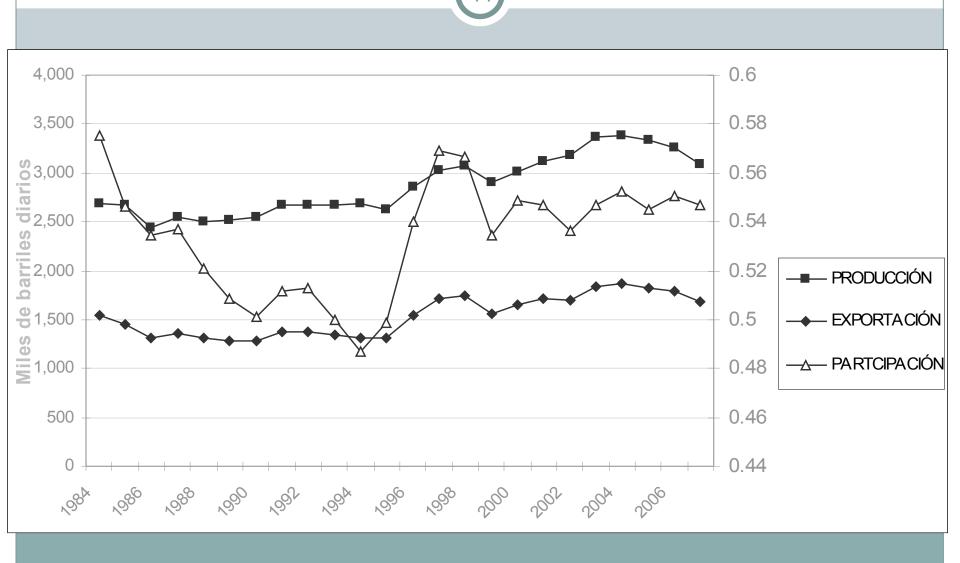


4. Petroleum Industry in the Federal Context. Oil



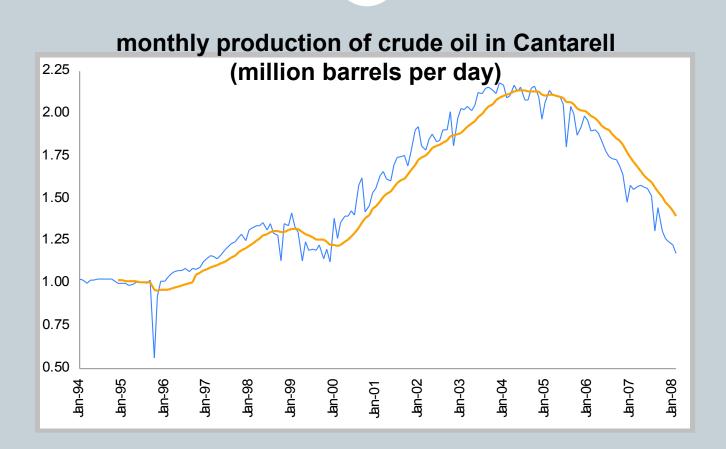


4. Petroleum Industry in the Federal Context. Oil





4. Petroleum Industry in the Federal Context. Oil





4. Petroleum Industry in the Federal Context. Oil

- Type of energy more exploited, 70% since 1980 to 2007
- In 2007, oil production was 3,082 thousands of barrels per day
- Refining capacity is 1,269 thousands of barrels per day
- Ranked at the top of oil producers



(6) 4. Petroleum Industry in the Federal Context. Oil

• Shallow Waters:

- Explored and exploited Areas
- Managing the decline
- Exploiting Infrastructure

Deep Waters:

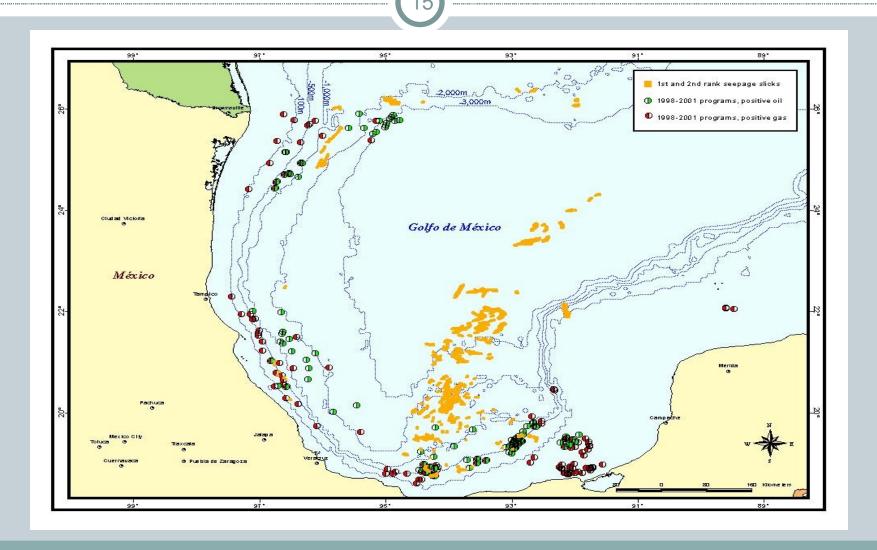
Lack of infrastructure, experience

• Ultra deep Waters:

- o 70% of the prospective resources
- Lack of infrastructure, experience



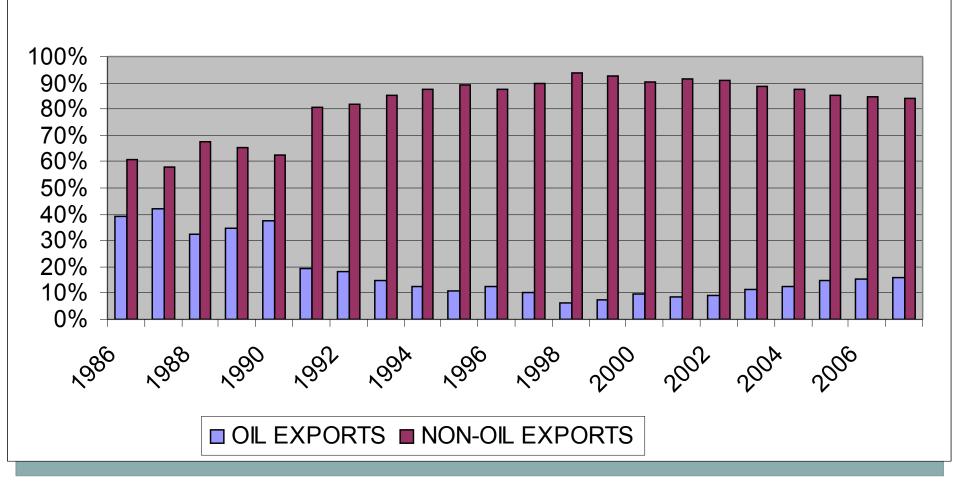
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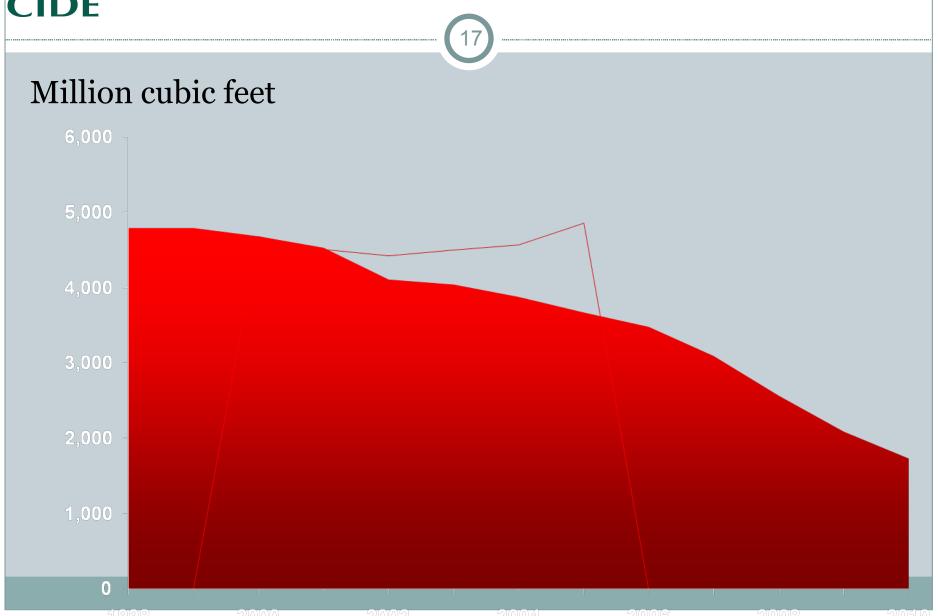
4. Petroleum Industry in the Federal Context. Oil

EXPORTS IN MEXICO





4. Petroleum Industry in the Federal Context. Natural Gas



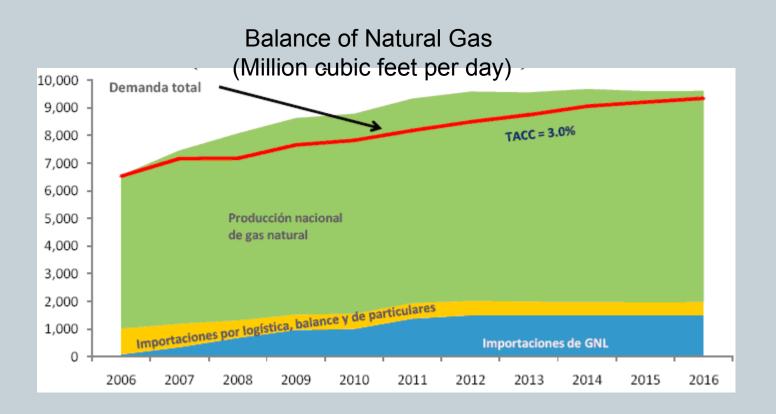


4. Petroleum Industry in the Federal Context. Natural Gas

- Limited and inefficient production
- Main production is associated gas
- Significant changes since 1992

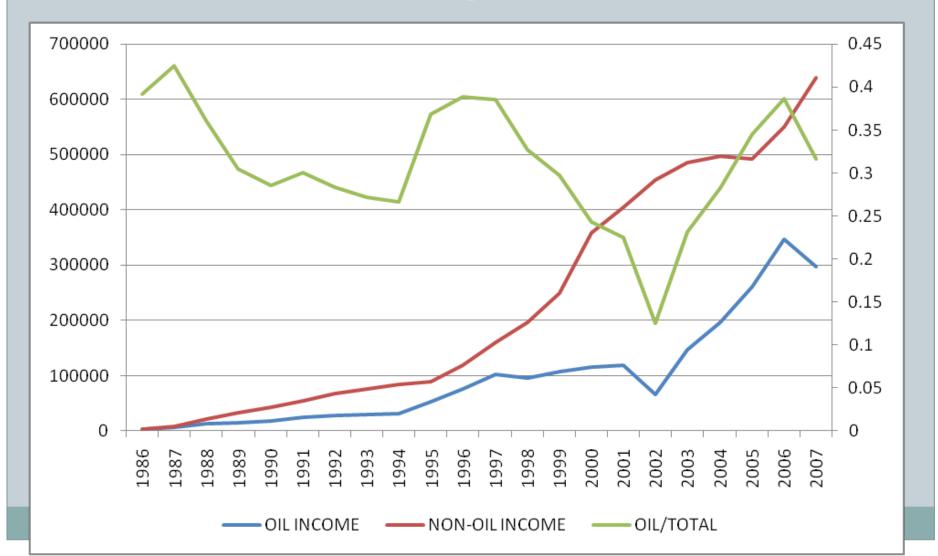


4. Petroleum Industry in the Federal Context. Natural Gas



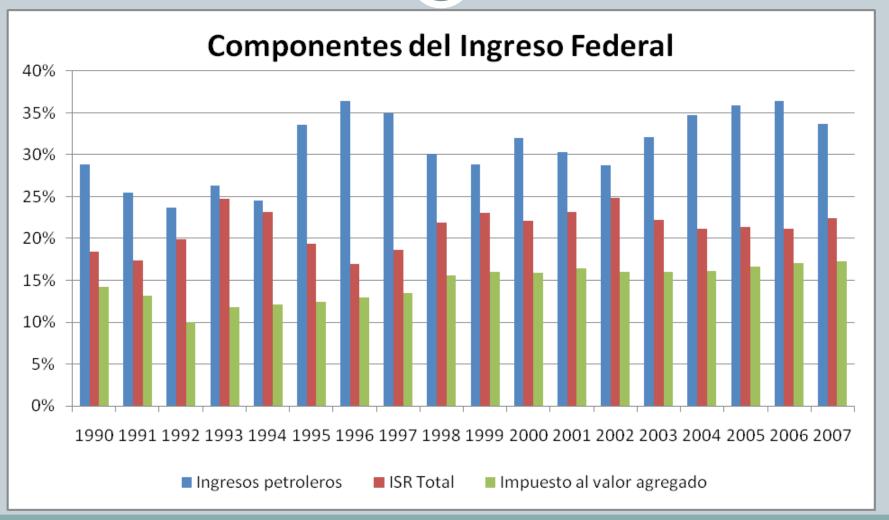










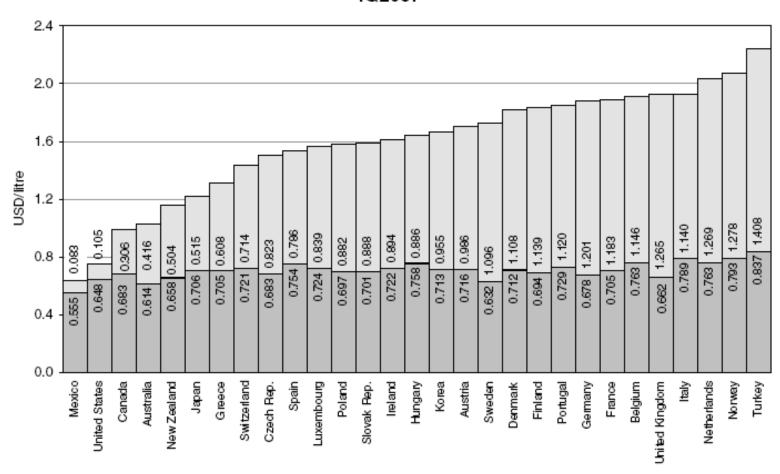


- Federal transfers to all states according to rules for each state
- Government spending on health, social programs, and education
- Price and subsidy programs
 - Electricity (USD 7 billion)
 - Gasoline (USD 20 billion)
 - PEMEX sold fuel oil to the power sector at around 30% of its opportunity cost
 - Implicit subsidy: USD \$1.5 billion a year

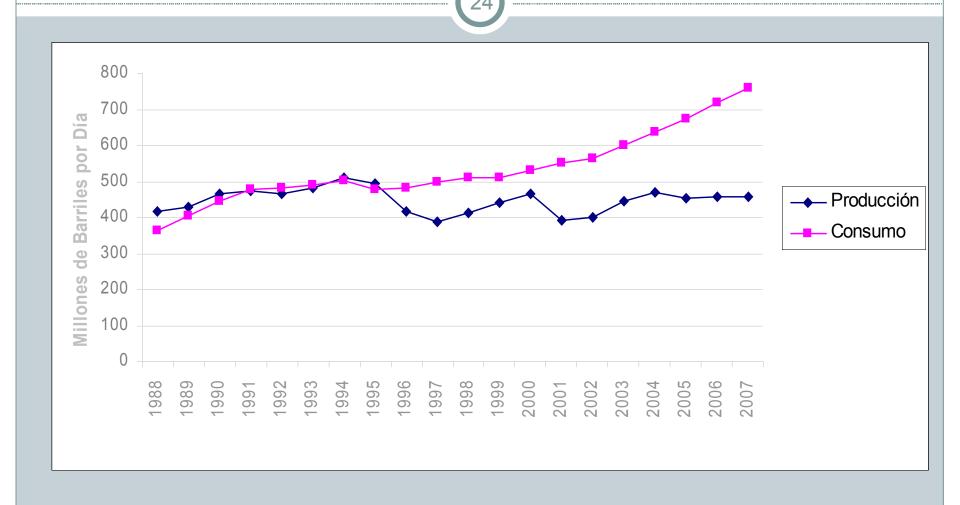




Figure 8 - Unleaded Gasoline Prices and Taxes 4Q2007 *







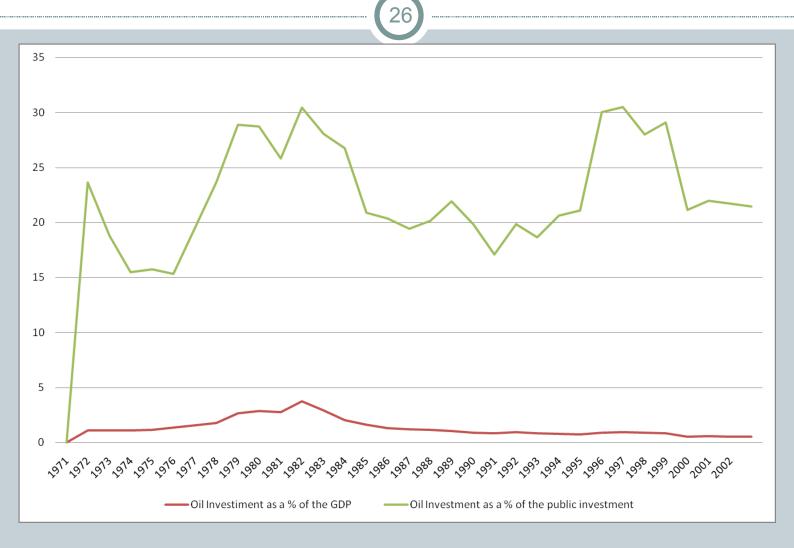


Fiscal and Economic Stabilization

- Federal expected income is based on an expected average price
 - Budget purposes
- If actual price is higher, the extra income is distributed
 - Stabilization fund
 - Transfers to states
 - Investment in PEMEX



Fiscal and Economic Stabilization

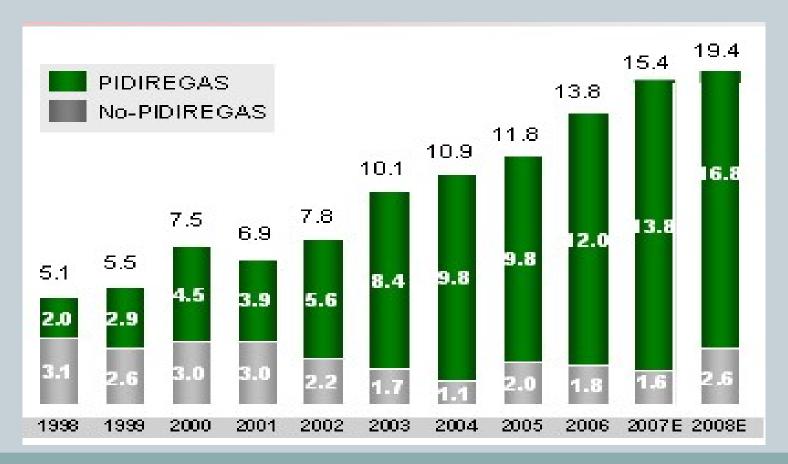




Fiscal and Economic Stabilization

27

Billion dollars





8. Horizontal balance, regional development

- Pollution in states that have oil and money transfers to states that have not
- Poor income distribution
 - Rich: from Mexico City to North
 - Mexico State, DF, Nuevo Leon, Jalisco and Chihuahua
 - Poor: from Mexico City to South
 - Guerrero, Chiapas, Oaxaca, Veracruz



9. Transparency and accountability

- Corruption in the Union and PEMEX
- Lack of transparency in administrative and contracting issues
- "Leakage" of gasoline in the pipelines
- Poor accountability to society
- No accountability about the extra cash received by all states

10. Conclusions

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- Oil economy
- Only 10 years of production
- Energy reform
- Fiscal reform
- Social contract

10. Conclusions

- Institutional framework and poor regulatory structure
- It is needed a significant changes in its corporate structure
- Nobody knows what will happen
- Next 3-4 weeks will be crucial for the future of PEMEX