

# *LNG in México?*

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# *Greenpeace MX Proposal for a Better Energy Sector*

- 1. Energy Sources Diversification
- 2. Current Model Cause Economic, Social and Environmental Impacts
- 3. Big Power Plants = Old Model
- 4. Consumers as Part of the Solution
- 5. Energy Policy as Technology and Employment Policy
- 6. Energy Sector Transparency

# *1. Energy Sources Diversification as an strategic need.*

- 80% electricity came from Fossil Fuels

Gas dependency is increasing (LNG)

- Fossil Fuel means High Costs  
(economic, social, environmental)

- Fossil Fuels Availability

Use wisely our 12 years reserves

- Include Renewable Energy Sources

Currently underused

# % OF ELECTRICITY PRODUCTION BY SOURCE

- 68.87% came from fossil fuels (gas, diesel, oil)
- 14.27% came from Hydroelectric
- 9.52% came from Coal
- 4.48% came from Nuclear
- 2.86% came from Geothermal
- 0.003% came from Wind

- Mexico has none LNG Plants
- LNG was not inside of 2001-2006 Energy Planning
- LNG does not diversify energy sources
  
- Energy Sources Diversification
- VS
- Energy Imports Diversification
  
- ¿Not to import from US but from Persian Gulf, Russia, Indonesia or Australia?

## *2. Economic, Social and Environmental Impacts due to:*

- Exploration
  - Extraction
  - Transport
  - Storage
  - Final Use
  - LNG carry impacts listed above
- Gas is the better of the worst fuels.  
Is NOT a clean source

### *3. Old Model= Big Power Plants*

- National Network is powered by more than 20 big power plants.
- Plants should be near of consumers  
(More efficiency, lower costs)
- Cogeneration and onsite power production as an example.
- 7 thousand MW to 14 thousand MW cogeneration potential

## *4. Consumers as part of the solution*

- Is not enough to provide energy (not only more fuels, not more LNG!)
- Most important is to provide “energy services” (light, heat)
- Energy sector does not end at the meter
- Not to waste energy but to save it using LESS fuel, the same fuel. Is cheaper to save than produce energy
- Energy consumption must be efficient before increase it's production and keep wasting it.

# THREE BASIC STEPS



- 1) To KNOW Electricity Demand
- 2) To IMPLEMENT Energy Saving Programmes and Energy Efficiency Devices.
- 3) To GENERATE electricity using Renewable Energy as the first option

# 5. *Energy Policy as Technology and Employment Policy*

- Mexico can NOT compete against Gas Turbines, Refrigeration Units or LNG tankers
- Mexico can compete inside of Renewable Energy Markets, manufacture and energy efficiency devices
- Decisions regarding energy sector will impact in employment generation, industrial and technology development. LNG terminals will give us just 30 to 40 permanent jobs

## *6. Energy Sector Transparency*

- Private Companies are not considered anymore as a synonym of: efficiency and transparency  
(Enron and California crisis as an example)
- Energy Sector should be a public service
- Private companies like **Shell, Sempra, Chevron-Texaco**, Repsol, Tractebel, Ibedrola, Union Fenosa are for the first time in the México.
- **URGENT NEED OF REAL FORECAST DEMAND, PLANNING AND REGULATION**

## *If México accept LNG projects*

- We will accept energy dependency
- Renewable Markets and Energy Efficiency Programs on both countries will be blocked.
- We will accept RISKS and COSTS associated with LNG
- We will become the US Back Yard