MINISTRY OF INDUSTRY,
ENERGY AND MINES
TUNISIA

Energy Efficiency
development in Tunisia

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ENERGY SITUATION
PRIMARY ENERGY RESOURCES
(1990-2035)

PRIMARY ENERGY RESOURCES AND CONSUMPTION (ktoe)
1990-2035

Positive balance

Negative balance

Déficit is about 50% in 2018

Déficit can reach 85% in 2035 for the BAU scenario
GAS DEMAND & RESOURCES (1990-2035)

- Scenario of BAU (95% with gas + 5% of RE)
- Volontarist scenario for EE

Deficit since 2005
In 2013 the subsidy for energy sector represents about 8% of GDP
NEW ENERGY TRANSITION POLICY of 2013

Vulnerable international energy market & geopolitical risks
Local risk of supply especially for electric sector (95% gas)
Energy independence in continuous decrease (now 59%)
Increase of the demand Vs Decrease of national resources
Huge subsidy dedicated for energy sector

New Energy Strategy (2013)
① Development of Energy efficiency to control the demand
② Diversification of energy resources: renewable energy
③ Development of oil & gas exploration
④ Rationalization of subsidy
⑤ Reinforcement of electrical interconnections
ENERGY EFFICIENCY
Tunisia is classified among 20 best countries in EE in the world, the 2nd in Africa, and the 1st in MENA region
What are the success factors
A clear institutional framework through the establishment of the National Agency for Energy Conservation (ANME) since 1985
A very developed regulatory framework

Law n°2004-72 / n°2009-7

Covering all EE activities in all sectors
An attractive incentive framework:

- Creation of the national fund for energy conservation in 2005 giving subsidies for EE&RE projects, transformed in 2014 into the energy transition fund,
- Minimum customs duty and VAT exemption for raw material and semi-finished products used in EE goals
Awareness programs

Pricing policies: continuous increase in electricity and gas and PP prices
Appropriate financing framework: setting up of financing mechanisms based basically on financing lines with low rates and subsidies from the government via the national energy fund
International cooperation: technical assistance and inspiration from best practices and success stories in other countries
Mandatory auditing system
Global achievements
ENERGY INTENSITY IMPROVEMENT

TOE / 1000 TND

Economic recession after the revolution

0.324

0.440

0.420

0.400

0.380

0.360

0.340

0.320

0.300

0.280

ENERGY INTENSITY: INTERNATIONAL POSITION

Source: AIE
Cumulated number of program contracts
For EE projects/activities

Establishment of the energy conservation fund
Capacity installed of cogeneration (MWe)

Establishment of the energy conservation fund + setting of financing mechanisms
Cumulated Solar water heaters in residential sector (m²)

Establishment of the energy conservation fund
Cumulated installed capacity of Solar PV rooftops (MW)

Law n°2009-7
Annual expenditure of the national energy fund (MTND)
Future global targets
Primary energy demand in the horizon 2020-2030

- BAU policy: 19 Mtoe
- Voluntarist policy: 13 Mtoe

17% savings compared to BAU policy
THANK YOU