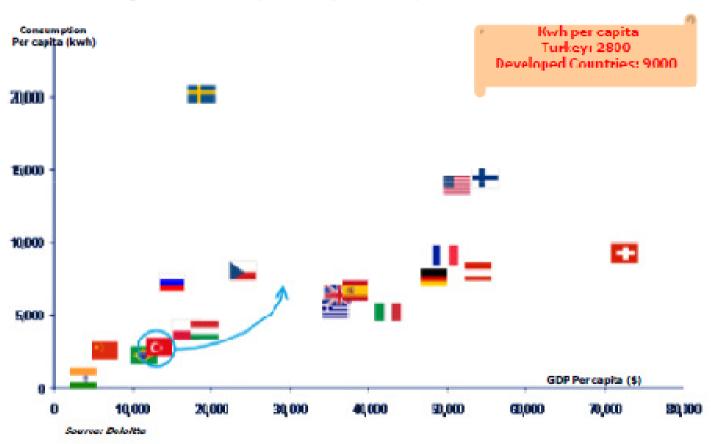


CURRENT RENEWABLE ENERGY SITUATION IN TURKEY

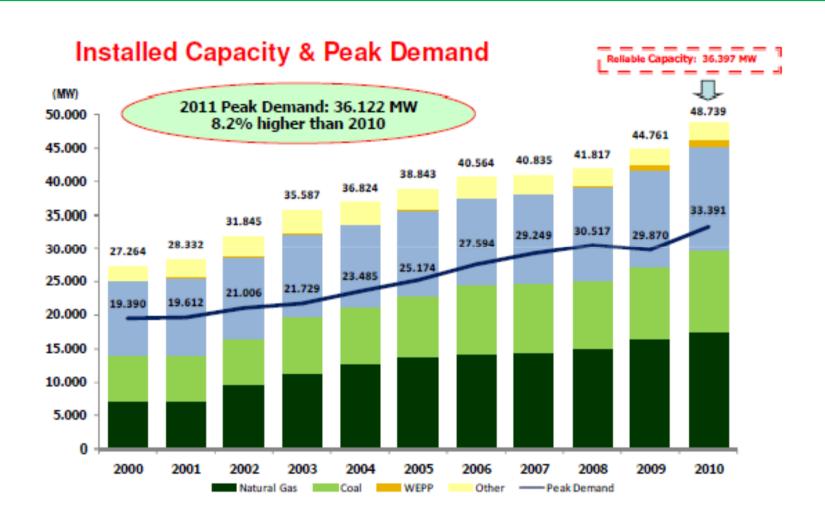
Assoc.Prof.Dr.Mustafa TIRIS
General Manager
T Dinamik Energy & Foreign Trade Company



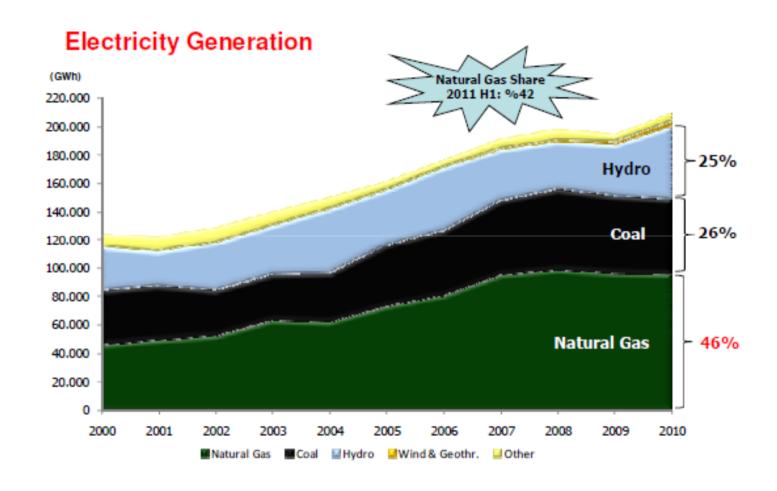
Electricity Consumption per Capita



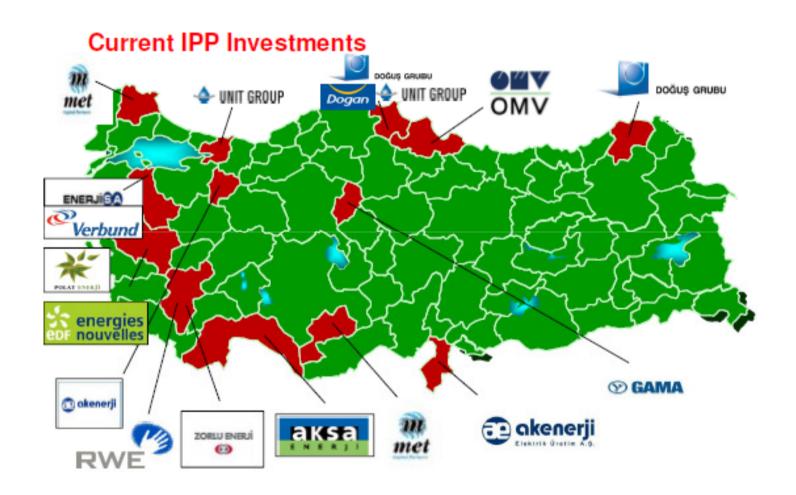














Investment Opportunities

- Privatisation
- New Capacities (New Licences)
 - Solar
 - Wind
 - Biomass
 - Coal
 - Natural Gas
- Manufacturing
- Energy Trade



Privatisation

The transition of the Turkish electricity market to a liberalized market has already attracted private investments from both domestic and foreign investors and more opportunities will occur. Among these, the privatization of state-owned generation and distribution assets, together with the new power plant establishments, can be pointed out.

Turkey has experienced a lively investment environment in the last five years in which many foreign investors have made greenfield investments, formed partnerships with local players and acquired state-owned and private companies.

The Turkish government is in the course of privatization of the distribution companies as a step towards full liberalization of the energy market. Privatization of electricity generation companies has accelerated during 2010.

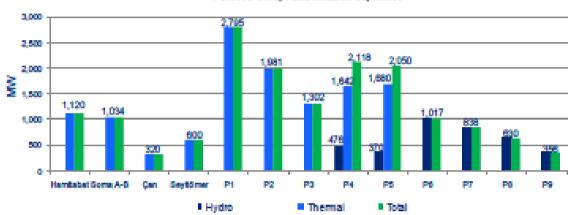


52 hydro-electric power plants' tenders were established under 19 groups with a total deal amount of USD 439.9 million. However, high investment costs have arisen at these plants which may cause some difficulties for investors and may end up in transfers of these plants to other investors within a few years.

In addition, privatization of 13 thermal plants (12,474 MW) and 28 hydroelectric plants (3,687 MW) have been divided into 9 portfolios within the privatization process.



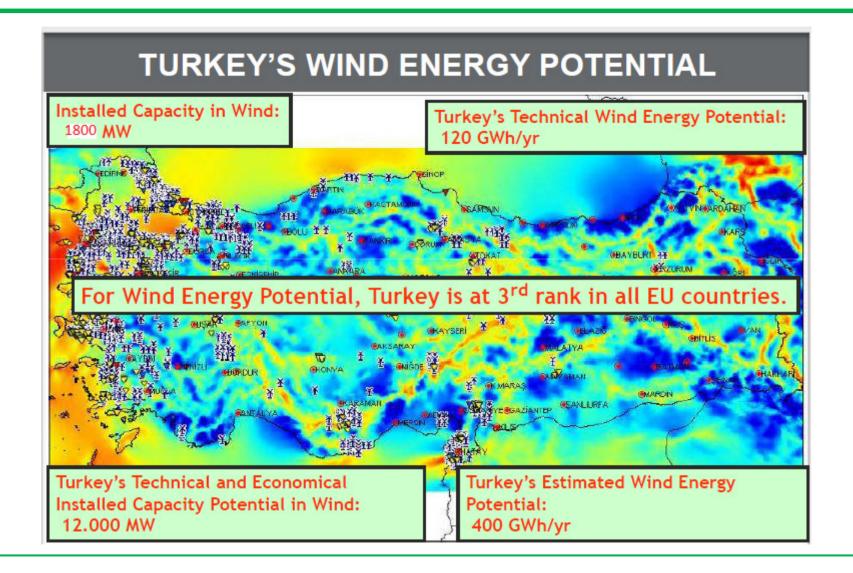




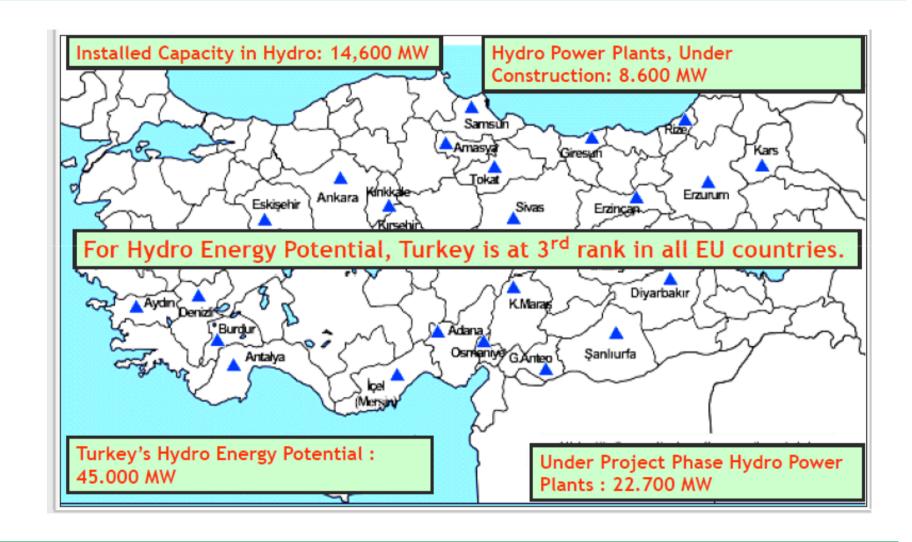
Source: EÜAŞ, ÖİB, Deloite Analysis

Privatized Alone	Portfolio 1 (P1)	Portfolio 2 (P2)	Portfolio 3 (P3)	Postfolio 4 (P4)
Hamibbet (1,120 MW) Soma A-8 (1,034 MW) Çan (320 MW) Seyltomer (500 MW)	Elbistan A (1,355 MW) Elbistan B (1,440 MW)	Ambarlı DG (1,351 MW) Ambarlı Fuel-oli (530 MW)	Alleğa (180 MW) Kangal (457 MW) Tunçblek (368 MW) Çatalağzı (300 MW)	Burss DG (1,432 MW) Otherwill (210 MW) Gölgekays (278 MW) Sanyar (160 MW) Yenice (38 MW)
Portfolio 5 (PS)	Portfolio 6 (P6)	Portfolio 7 (P7)	Portolio 8 (P6)	Portfolio 9 (P9)
Kemerköy (S30 MW) Yatağan (S30 MW) Yaniköy (420 MW) Demirköyrü (S9 MW) Adıgüzel (S2 MW) Kemer (48 MW) Kanaciören-1 (32 MW) Gezende (159 MW)	Altinkaya (703 MW) Derbent (56 MW) Hirfanii (128 MW) Kesilötöprü (76 MW) Kapulukaya (54 MW)	Hassn Uğurlu (500 MW) Sust Uğurlu (59 MW) Almus (27 MW) Kökldos (50 MW) Kiliplays (120 MW) Çamligöze (32 MW)	Getalan (169 MW) Aslantag (138 MW) Mercelet (124 MW) Kesk (10 MW) Karkamg (189 MW)	- Doğankent (75 MW) - Kürtün (85 MW) - Tortum (26 MW) - Ozdos (170 MW)

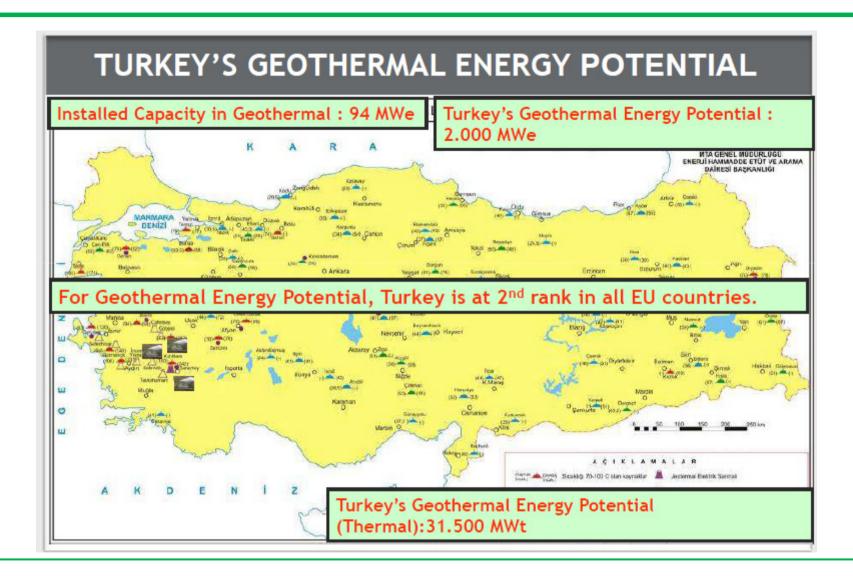




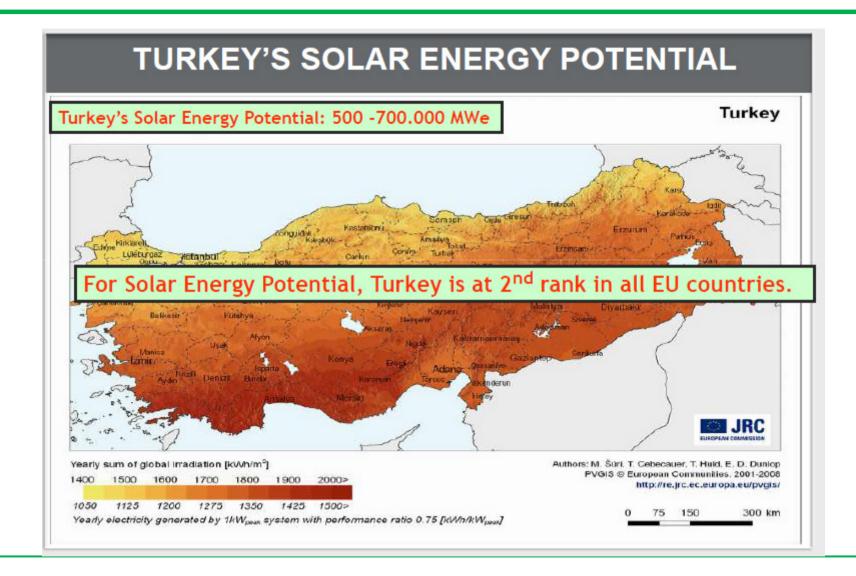














FIT in Turkey- for Renewables

Turkey has made photovoltaic power generation subsidy payments law. Under the regulation, payments for renewable energy generation will be determined as dollar cent, in Turkish Parliament.

Accordingly, prices for RES plants are as follows (per kWh):

Solar: US\$13.3 cents,

Biomass (including landfill gas): US\$13.3 cents

Geothermal: US\$10.5 cents

Hydroelectric: US\$7.3 cents

Wind energy: US\$7.3 cents



The licensing will be arranged by the supervisory Energy Market Regulatory Board, taking into consideration of Interior Ministry, Energy and Natural Resources Ministry, and also State Hydraulic Works' opinions.

The feed-in tariff will also support concentrated solar power (CSP) and hybrid power plants.

These prices will be applied for ten years to those which apply for RES between May 18, 2005 and December 31, 2015. For companies beginning operation later than December 31, 2015, the FiT rates will be determined by the Council of Ministers.



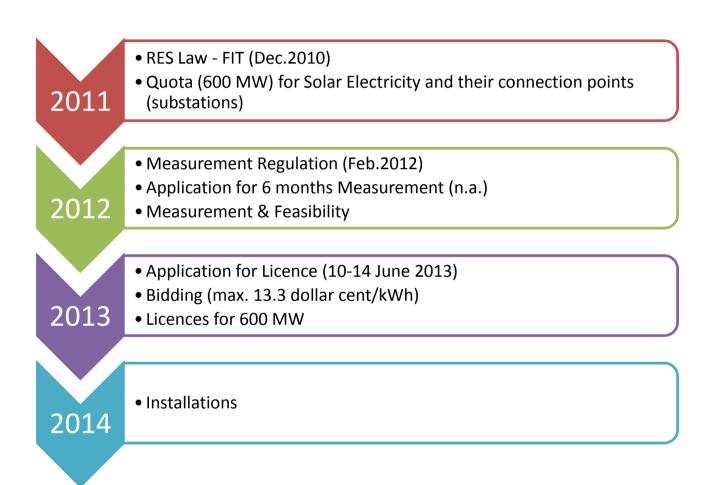
Further, if the products utilized for the plants carry the 'Made in Turkey' stamp, additional credit will be given for five years after the facility's establishing date. This support will be applied from US\$0.4 to 2.4/kWh.

There is however a 600MW cap in place up until December 31, 2013. For applications later than that date, the Council of Ministers will be authorized to determine total installed power.

For the first decade, 85% discount will be applied for the power grid permission, lease, easement and certificate of occupancy fees for the facilities which will be established until December 31, 2015.



PV Power Plant Installations in Turkey (600 MW)





PV & Small Wind Installations in Turkey



2012

 Regulation for the RES Power Production <500 kW without Licence (draft is available)

2013

 Huge capacity for PV & Small Wind (and other RES)

• FiT is applicable





THANK YOU

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