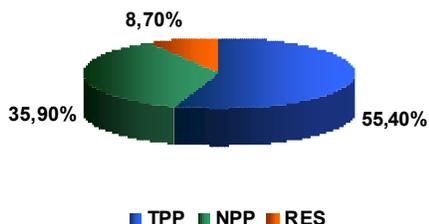


BULGARIA: RENEWABLE ENERGY SOURCES FACTSHEET

InvestBulgaria Agency – March 2010

RES sector overview

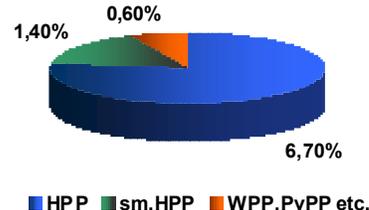
Electricity production structure- 2009



Government support for RES projects

- Long-term period for obligatory purchase of electricity based on RES: **25 years** for solar and geothermal RES electricity and **15 years** for other RES electricity
- Feed-in tariffs
- Obligatory connection to the electricity grid
- Guarantees of origin for the electricity produced by RES as well as for the heat and cooling energy
- Tax exemption for biofuels
- Obligatory blending for the distribution companies of biofuels with mineral fuels

RES energy production structure - 2009



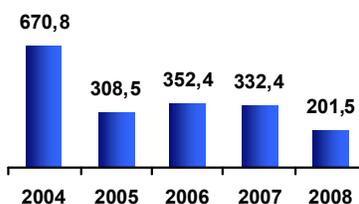
Source: MEE

Operating RES facilities

Name	Capacity (MW)
Sveti Nikola Wind Farm	156
Kaliakra Wind Power wind park	35
Reiffeisen Environmental Energy wind parks	32
Kamen Bryag Wind Park	21
Sliven Wind Park	11,65
Yankovo Solar Park	2,4
Paunovo Solar Park	1
Bryggovo Solar Park	142 KW
Slanchev bryag Solar Park	120 KW
Russe Solar Park	117 KW

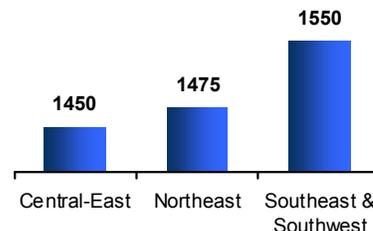
Foreign Direct Investment

FDI in electricity production (Mio. Euro)



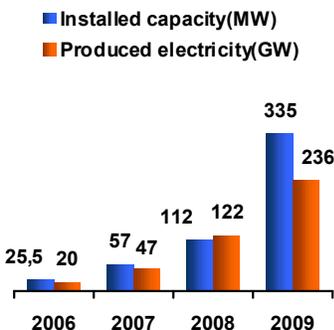
Solar energy

Solar energy resources, avg. by regions of Bulgaria (kWh/sq m/year)



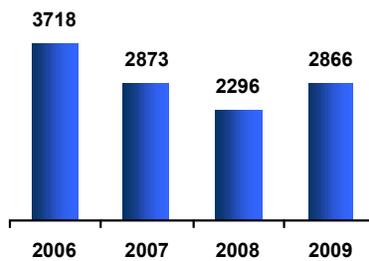
Source: NSI, MEE

Wind power



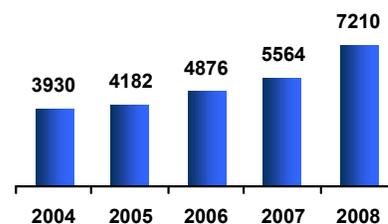
Hydro power

Gross production of electricity by HPPs, 2006-2009 (GWh)



Labour cost

Annual average earnings in the energy sector (Euro)



Source: MEE, NSI

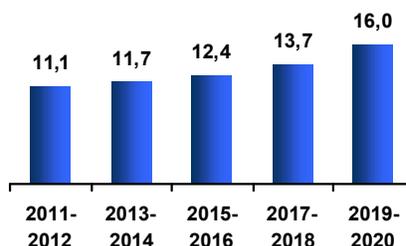
Success story

Alfa Energy's Yankovo Solar Park

- Investor - Alfa Energy Ltd, construction - Solarpro AD – both subsidiaries of Kaolin
- Starting operation in August 2009 with initial 338 KW capacity
- About 9 Mio. Euro investment
- 2.4 MWp operating capacity- the biggest solar park in Bulgaria to date
- September 2009 – Issued Class A investment certificate by IBA
- Environmental protection through building the park on a recultivated industrial land near Shumen
- Construction of 2 more solar parks planned

RES Future

Estimates for EU RES Directive achievement, 2011-2020 (% of total electricity output)



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