

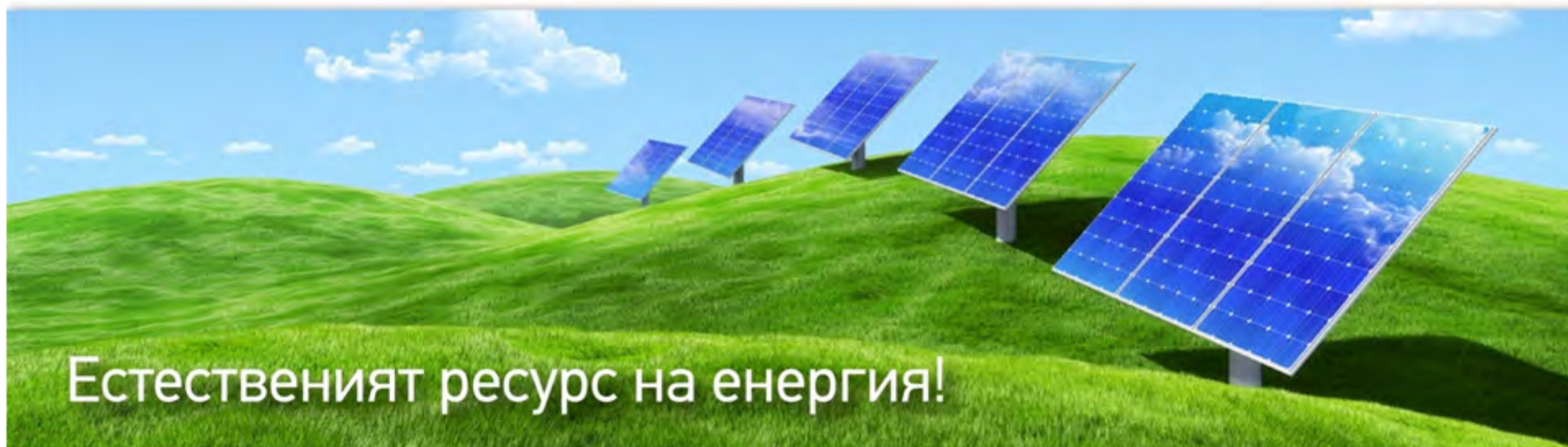


БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

RES market and current legal framework

ngazdov@bpva.org

Bulgaria's green energy challenge, Sofia, 10.10.2012



Естественият ресурс на енергия!

www.bpva.org



БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

MAIN TOPICS

- PV market development in BG
- Legal framework – amendments and perspectives
- Development after 01.07.2012





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

MEMBERS

- **16 September 2009 – 17 founding members**





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

MEMBERS

- **10 October 2012 – 130 members**





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

WHO ARE WE?

- Over 130 members
- Local & global companies
- Public communication
- Policymaking



OUR GOALS

- Positive investment framework (legal, financial, technical etc.)
- Job creation & transfer of know-how
- Sustainable market development







БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

PV – PART OF A BIGGER PICTURE



Since 2009:

- 5 Vice-Ministers of Energy
- 6 CEOs of NEC (National Electric Company)
- 3 CEOs of BEH (Bulgarian Energy Holding)
- Several Directors in Energy Ministry





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

BIGGER PICTURE (2) – CHANGES IN MARCH/APRIL 2012

- New Minister of Economy and Energy & new Vice Minister for Energy
- CEO of NEC became CEO of BEH – Position at NEC is vacant





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

PV MARKET DEVELOPMENT IN BG (1) – BACKGROUND

- Slow start in 2008-2009
 - BPVA since Sep. 2009
 - Boom of new capacities since Q3 2011
 - Today ???
- 1 MWp
- total of < 25 MWp in 2010
- apprx. 120 MWp in 2011

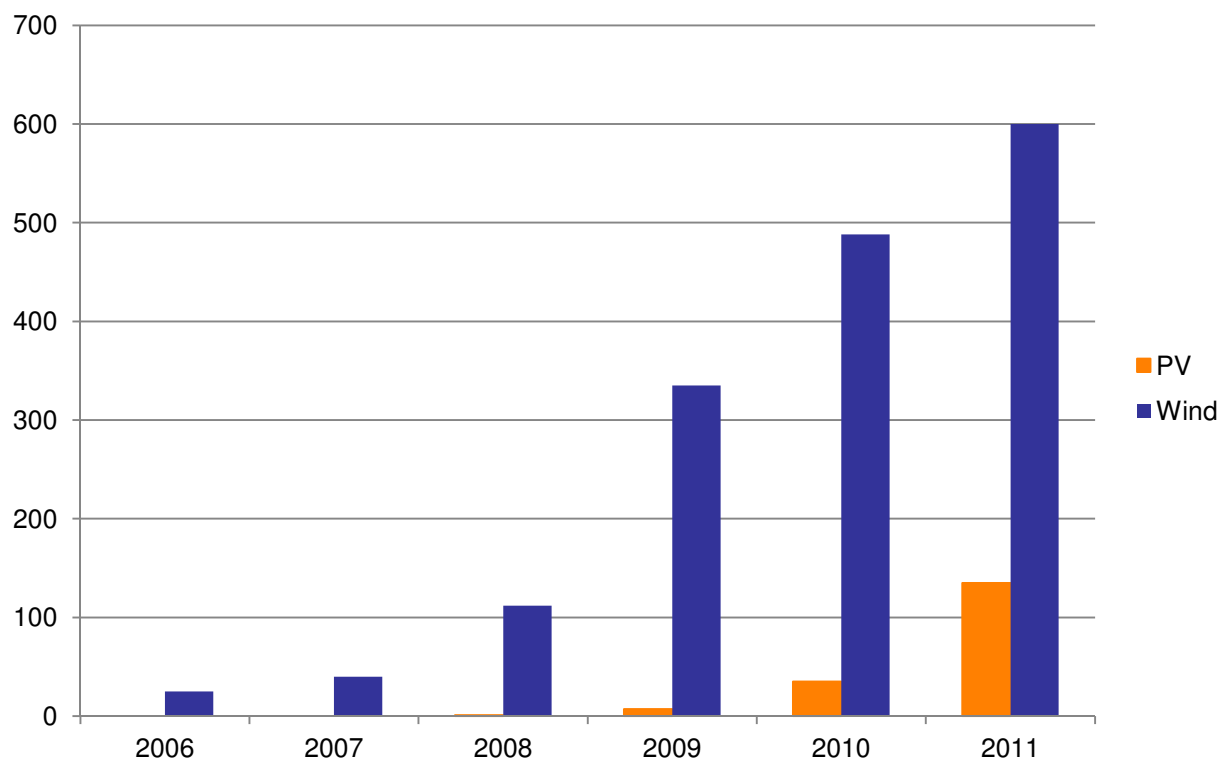




БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

PV MARKET DEVELOPMENT IN BG (2) – BACKGROUND

Installed capacities for PV and Wind in Bulgaria 2007 – 2012, MW



Source: Report of the Ministry of Economy, Energy and Tourism on RES development in Bulgaria

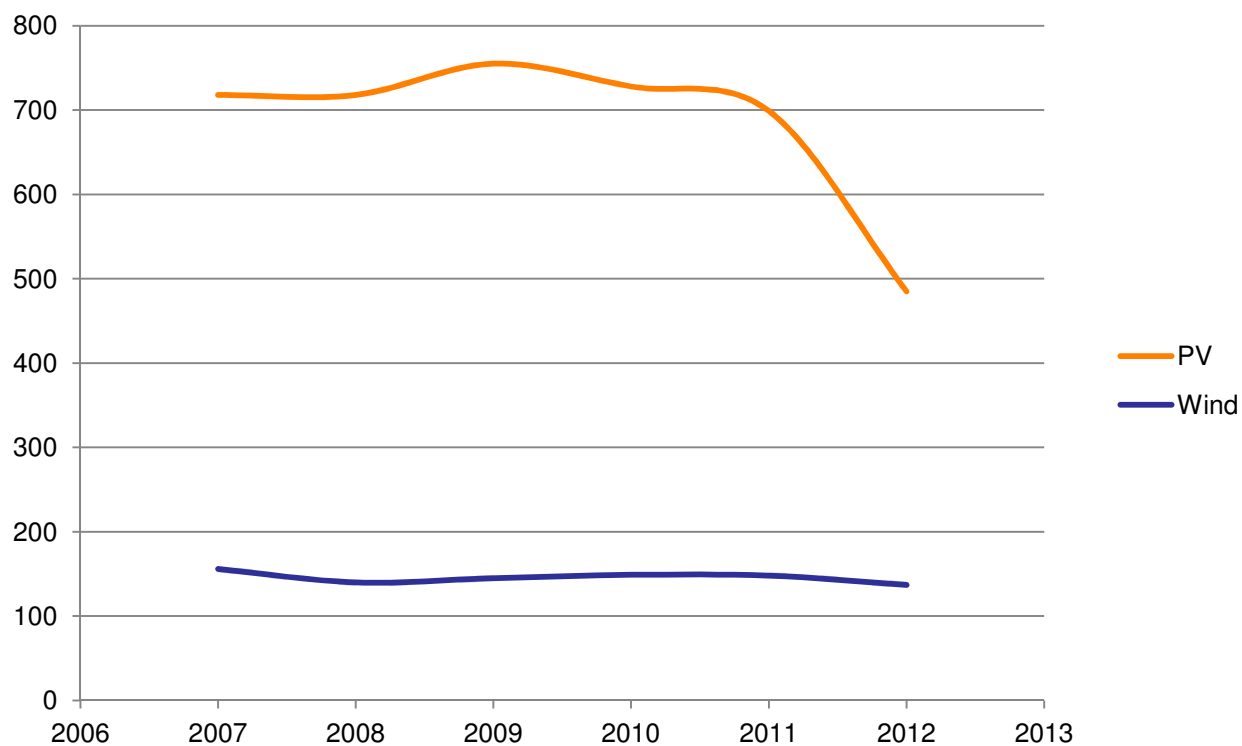




БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

PV MARKET DEVELOPMENT IN BG (3) – BACKGROUND

FiT for PV and wind: 2006-2012, BGN/MWh



Exchange rate: EUR – 1,95583 BGN





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

LEGAL FRAMEWORK - RAESBA

- **RAESBA (2008-2011)**

Pro:

- Positive for investors;
- attractive FiT for 25 years;
- easy grid connection

Contra:

- FiT not fixed;
- PV non-bankable;
- virtual grid overload



Effects: Soaring pipeline but almost no PV plants; secondary market for 'projects'





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

LEGAL FRAMEWORK – ZEVI vol. 1

- **RES act (ZEVI) vol. 1 (05.2011 – 04.2012)**

Pro:

- FiT fixed for 20 years at Act 15 (technical completion);
- PV bankable despite 31% degression of FiT in July 2011
- Existing projects interesting for investors – construction boom

Contra:

- Grid access for new projects blocked;
- max. yearly capacities from 01.07.2012
- Confusion due to unclear stipulation

Effects: Boom of constructions since Q3 2011 – apprx. 120 MWp in 2011; No new development





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

LEGAL FRAMEWORK – ZEVI vol. 2

- **RES act (ZEVI) vol. 2 – effective 10.04.2012**

Less than 6 months after adoption of ZEVI further changes proposed by Government

Reasons:

- Too many grid connection contracts (supposedly around 2000 MWp only PV);
- Boom of PV projects under construction (supposedly 250 – 600 MWp)

Effects: Change of rules for projects under construction; Unclear perspectives for utility scale PV





БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

ZEVI vol. 2 – 2012 and beyond

Projects under construction:

- FiT secured at commissioning (compared to ‚technical completion‘ in ZEVI vol. 1)
- State acceptance commission – max. time commissioning 30 days (up to 44 days vol. 1)
- Introduction of new set-up for securing FiT when different phases of grid connection

New PV projects:

- Positive for rooftop PV (<30 kWp & <200 kWp) – simplified procedure
- Restrictive grid connection procedure for new projects - max. yearly grid capacity (cap)
- Preliminary contracts extended according to 10 year’s grid development plans





Благодаря Ви!



БЪЛГАРСКА
ФОТОВОЛТАИЧНА
АСОЦИАЦИЯ

www.bpva.org