



„progres.nrw - market introduction“ - programme for renewable energy and energy efficiency technologies

Tina Völker - Lyon, 2. Dezember 2014



North-Rhine Westphalia (NRW) – facts and figures

- 34.000 square meters
- 18 million inhabitants
- 1/3 of Germany's energy is being produced in NRW
- Energy sources: mainly hard coal and lignite > high CO₂ emissions
- Ambitious CO₂ emission reduction and renewable energy targets



Climate Protection Act NRW

- Came into force as of January 2013
- Sets the frame for climate mitigation and adaptation measures, defines targets
- Targets
 - CO₂ emissions reduction of 20% by 2020, 80 % by 2050, base year 1990
 - Enhancing resource and energy efficiency, energy savings and deployment of renewable energy technologies



Climate Protection Plan NRW

- Implementation of the Climate Protection Act
- Developed by NRW's State Government
- Topics: energy generation, industry and commerce, building sector, mobility, agriculture and forestry, private households
- Comprehensive participation process, involving representatives of leading companies, universities, administrations and civil society > online participation
- Plan is currently in the process of coordination



Renewable energy targtes NRW

- In 2020 the share of wind energy in electricity generation shall be at least 15 %.
- Until 2025 30 % of the electricity shall stem from renewable sources.



progres.nrw – programme for the rational use of energy, renewable energy and energy savings

- Support programme consists of 6 components
- 1. Market introduction – support for plant construction mainly
- 2. Innovation – support for research and development
- 3. Combined heat and power – support for CHP plants up to an installed capacity of 50 kWel
- 4. Energy consulting by Energy Agency NRW and Consumer Advice Centre NRW – information, individual consulting, seminars
- 5. European Energy Award – management system for communal energy concepts, prize awarding for most successful concepts
- 6. Energy saver – award for energy efficient households



progres.nrw market introduction

- Market introduction programme for energy efficiency and renewable energy technologies
- Financial contribution for plant construction, e.g. solar thermal, photovoltaic, hydro power, energy storage, passive houses – non repayable subsidy
- Entitled for application are
 - Private households, free lancer and companies in NRW
 - Municipalities and associations of local authorities when acting as responsible body for schools, kindergardens, scientific/social/cultural/charital institutions



progres.nrw market introduction - prerequisites for funding

- Project in NRW
- Planned measure may neither be mere repair or replacement, nor legally enforced or imposed by an authority – main example: measures under the „Renewable Energy Heat Act“ are not entitled for funding
- Application must be filed and decided upon before implementation, permissions have to be filed with application
- Implementation period usually 12 months



Progres.nrw market introduction- funding of photovoltaic projects

- Financial contribution: 500 €/kWp, max. 10 kW per plant
- Limited circle of applicants – only „multipliers“ allowed, for example plants on
 - passive houses/3-liter-houses
 - schools, kindergardens, scientific/religious/cultural/social/athletic/charitable institutions
 - Façade integrated PV
- State of the art installation has to be proven



progres.nrw market introduction – facts and figures

- Since 1987 support of more than 80.000 measures
- Support volume: ~ 280 million €
- Investment incited: ~ 1.8 billion €
- progres.nrw 2013:
~ 8,500 measures supported, support volume ~ 11.5 Mio. €
- progres.nrw 2014:
~ 4.500 measures supported, support volume ~ 9.5 Mio. €



progres.nrw market introduction – support for PV

Programme	Amount of plants	Inst. capacity	Support volume
REN I (1988 – 1993)	197	34 kWp	1.8 Mio €
REN II (1994 – 2006)	9,951	50,000 kWp	68 Mio €
progres.nrw (2007 – 2014)	1,799	22,820 kWp	7.6 Mio €
Total	11,947	72,854 kWp	77.4 Mio €



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