A Successful Energy Transition with much more Photovoltaics - What Is Necessary to Reach this Goal?

naturenergy
Ein Unternehmen der NATURSTROM-Gruppe

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- Discussion

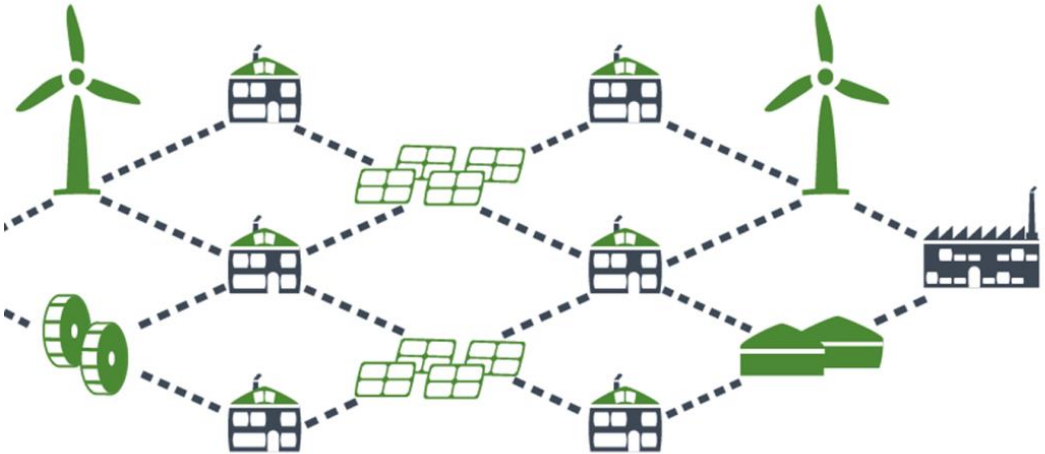
naturstrom AG – First Green Energy Utility in Germany

naturstrom – Energy with Future

- Founded 1998 (begining of liberalisation of the European Electricity-Market)
- No capital connections to conventional Utility Companies (Nuclear and Fossil)
- Sustainable from the beginning
- More than 300,000 customers
- Citizen's energy company in the form of a public limited company
- Over 1,600 (small) Share Holders

naturstrom Vision

Building a sustainable, decentralized and future-oriented energy supply beyond fossil and nuclear fuels.



naturenergy – The company within naturstrom

Focus

- Development, construction (EPC) and operation of PV (and Wind) power plants in Germany
- Energy production for **natur**strom (PPA) for customer supply (private & commercial)
- Currently: > 60 MWp PV/a new construction (plus wind power)

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Numerous new naturenergy PV Power Plants

Problems & Challenges

Problems & Challenges – What we really need?

- Acceptance of (local) citizens is crucial, i.e. more involvement of communities and citizens!
  0,2 Cent/kWh for communities, trade tax, …
- More and faster permits of authorities (e.g. from the lower nature conservation authority)
- Less regulatory hurdles (e.g. abolition of 70% Rule, …)
- Less bureaucracy (simpler electricity tax regulations of main customs office, regarding cross deliveries, …), better black box thinking!
- Stop of over-regulation
- Proper Handling of market value solar & revenue cap (i.e. 180 EUR/MWh?)

- More employees in the PV sector and more staff at the authorities
- More students/more education in the PV sector (incl. internships)

The German Energy Transition must succeed

- (real time) optimization of production and demand on different scales
- Better (faster) prediction of energy production desirable
- Use of Ancillary Services (reactive power, …) should have more value!
- Critical infrastructure (KRITIS) should be considered more!

Activities – What could & should be done

Large PV power plants along Highways: e.g. 14.4 MWp SP Lüttow-Valluhn A24

More PV power plants with batteries: SP Henschleben with 1 MWh

Solarpark with East-West-Orientation: SP Breddin

Own Activities – The more the better

- Lawsuit filed, because of inaction!
- bne standard "Good planning of PV systems“, incl. biodiversity, Signing Sept. 13, 2022 in Berlin
- Many more PV Power plants

Discussion

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