



SWITCH TO A RENEWABLE FUTURE

Energy Cooperative & Wind Energy
Jakob Schäfer, Murrhardt, Germany

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Aims of presentation

- citizens energy cooperative in Murrhardt (EGM)
- role of citizens energy cooperatives in Germany
- planned wind farm project in Murrhardt (Zollstock-Springstein)

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Citizens energy cooperative Murrhardt

- Citizens solar power plants in Murrhardt since 2008
- in the legal form of a limited partnership
- shares available to hold from £800 onwards
- classic investment into renewable energy
- security through guaranteed feed-in tariff



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- in total 6 facilities
- installed production capacity (kWp):
20, 22, 52, 20, 8, 32 (each in kWp)
- in total 154 kWp



Druck auf den Startschalter (von links): Dietmar Bäßler, Bürgermeister Armin Mößner und Dieter Schäfer nehmen die Anlage in Betrieb. Foto: E. Klaper

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About four weeks before Fukushima

- energy cooperative Murrhardt (EGM) eG
- founded on 15 February 2011
- in the legal form of a cooperative
- shares available to hold from £76 onwards
- availability for more members to participate through low costs



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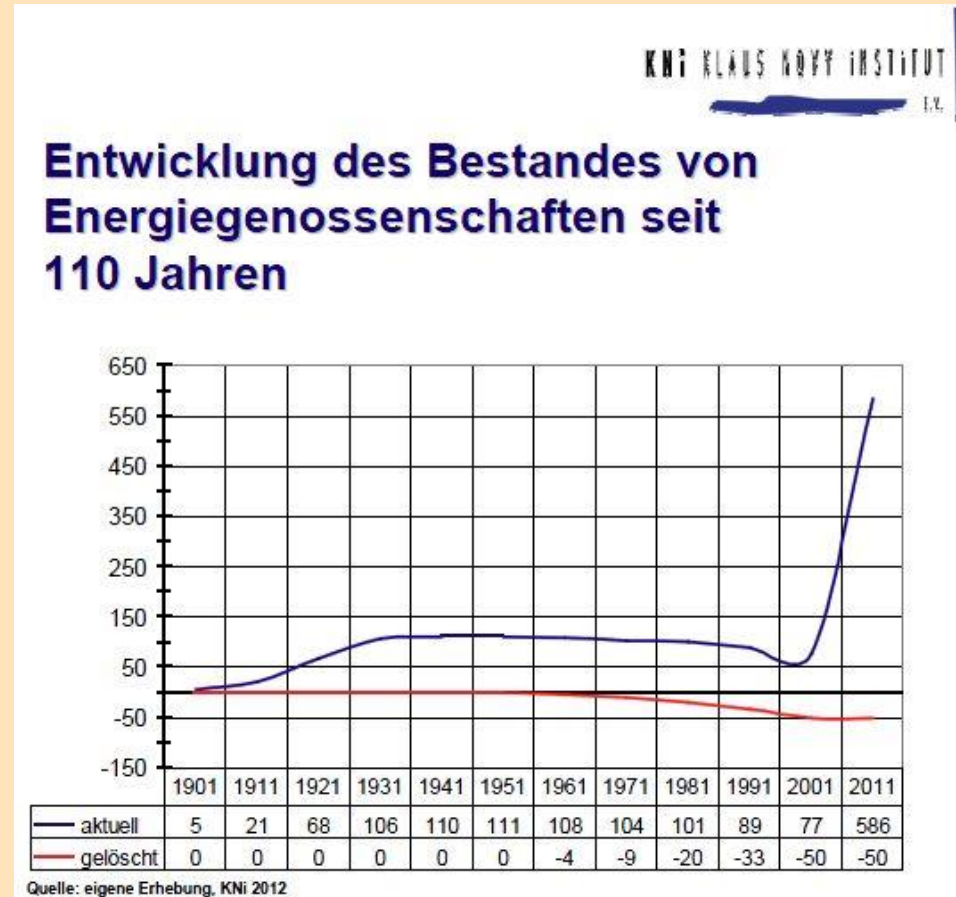
Agenda since 2011

- Commitment in tender for new operator of the power grid in Murrhardt
 - target not reached
- Commitment in Murrhardt's all new electricity grid operating company
 - target not reached
- Distribution of electricity through own local brand (support through partner company with experience in deregulated power market)
 - target reached



Boom of energy cooperatives in Germany

- within ten years growth from ~ 50 to over 550



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Recent projects and initiatives

brief overview of dates in German energy policy

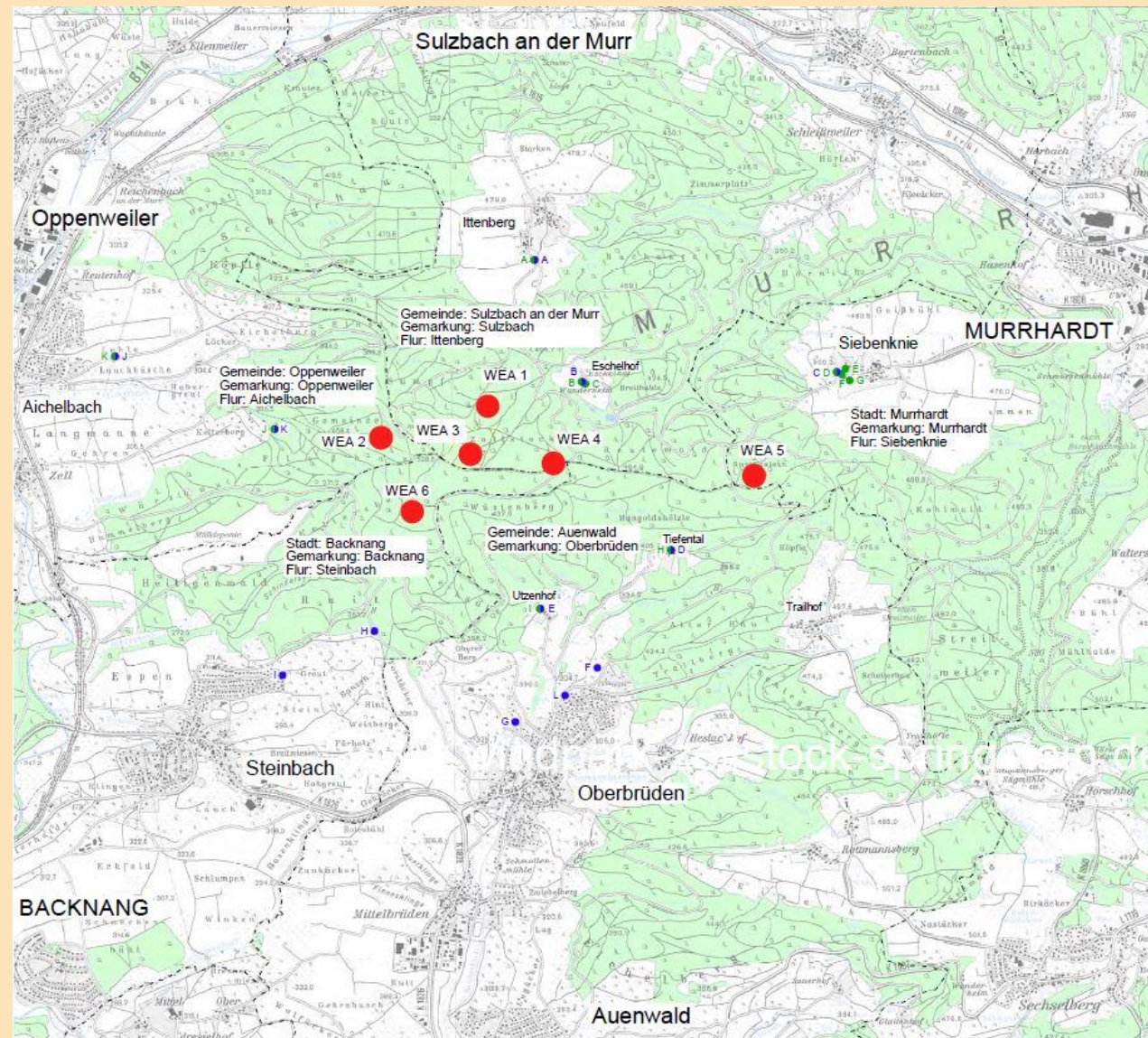
- agreement 2002 to leave nuclear technology in Germany
- extensional use agreed in 2010
- few months later roll-back after Fukushima in March 2011
- Energiewende and last shut down of German nuclear power plant in 2022
- new provincial government in our province since 2011
- complete change in provincial policy regarding use of wind energy

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Location of planned wind farm

- 6 turbines
- Nordex N 117 (2,4 MW)
- 3 Mio. £ per turbine
- consortium of various shareholders
- estimated time of building permit:
December 2014



Landkreis	Rems-Murr-Kreis
Stadt	Backnang
Gemarkung	Backnang
Gemeinde	Oppenweiler
Gemarkung	Oppenweiler
Gemeinde	Sulzbach an der Murr
Gemarkung	Sulzbach
Stadt	Murrhardt
Gemarkung	Murrhardt

ÜBERSICHTSPLAN

Maßstab 1:25000



Legende

- Gemarkungsgrenze
- Windenergieanlage
- Immissionspunkt Schall
- Immissionspunkt Schatten
- Immissionspunkt Schall/Schatten

Gefertigt:
Aspach, den 16. Juni 2014

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Visualization of the Springstein Hill in Murrhardt

- view from Siebenknie to Springstein
(everything within Murrhardt municipality)



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Conclusion

- unexpected difficulties with state authorities hit our energy cooperative Murrhardt hard
- still no clearance when building permit to expect
- difficult to establish a profitable energy cooperative in Murrhardt
- nevertheless engagement for climate justice with climate summit Paris 2015 in mind
- strong will of civil society to move the energy sector in an innovative way forward

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