



LEEWAY

LEEWAY Kick off meeting, Ferrara Introduction of the BEG

(Bürgerenergiegenossenschaft im Landkreis Pfaffenhofen an der Ilm eG, citizen cooperation of Pfaffenhofen a.d.Ilm)

Dr. Holger Klos and Andreas Herschmann

Project manager and CEO of the BEG

11 May 2023 | Ferrara

Climate Protection Activities I

- 2001: biomass power plant Kyoto protocol fulfilled
- 2002: first civic solar power plant in Bavaria
- 2008: energy and solar association (ESV) est.
- 2010: annual energy congress started
- 2011: sustainable building area EcoQuartier
- 2012: citizen energy cooperative (BEG) est.
- 2013: integrated climate protection concept (SECAP)
- 2013: climate protection day (every year)
- 2014: full-time climate protection manager



















Climate Protection Activities II

- 2015: first citizen wind turbine
- 2015: climate protection award
- 2016: transfer of local electricity and gas grid to SWP
- 2016: wind power use zoning plan
- 2016: public decision for wind farm
- 2017: sustainable development goals adopted
- 2017: start of plastic free Pfaffenhofen
- 2018: start of organic farming project
- 2019: free city bus
- 2020: Citizens' workshop on climate change adaptation
- 2021: climate plan 2035 (SECAP*) adopted
- 2022: Input into REC-Projects / Wind, ...





































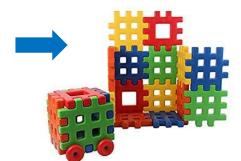


Key success factors for civic involvement

From our Pfaffenhofen experience over the last two decades, we consider the following aspects to be important for a successful civic involvement (and we have developed single building blocks that need to be up-dated and crosslinked)

- awareness-raising
- public involvement from the very beginning





- stringent target definition
- planning support by software tools (domestic and large scale)
- investment opportunities for the public / acceptance of projects by civic co-financing possibilities
- Project / pilot developement of project like an PowerToGas-project or wind projects
- consistent communication strategy throughout all phases

Awareness-raising activities

 In order to define targets and to involve people in decision making, one has to start from where the people usually are





And sometimes one even has to shock them





Public involvement

and...and...and















Bürgerenergie im Landkreis Pfaffenhofen is...

flexible: Members can easily resign after a 5-year period,

safe: liability is limited to the shares,

responsible: as an ethical and sustainable investment,

expandable: to many different energy projects,

economical: through project participation and distributions on

profits,

forward-looking: for a sustainable energy industry in the hands of

citizens,

regional: the added value remains local.

Cooperative - a win for all



Bürgerenergie im Landkreis Pfaffenhofen ist...

founded in 2012 from the Pfaffenhofen Energy and Solar Association, the cooperative has about **1300** members from the entire districtand is managed and controlled by the following persons:

Andreas Herschmann: Chairman of the Board Dipl.-Ing. (FH)

Fabian Stahl: Board of Directors Managing Director - Stahl Computertechnik GmbH

Thomas Lönner: Chief Executive Officer Banker

Oliver Eifertinger: Chairman of the Supervisory Board Lawyer / Tax Consultant

Christiane Ametsberger: Supervisory Board Member Architect

Cornelius Herb: Supervisory Board Dipl. Kaufmann / Project Development Biogas

Walter Lamsfuß-Seifert: Supervisory Board Business economist

Georg Höhn: Supervisory Board Dipl.-Ing. Holztechnik

Dr. Helmut Muthig: Supervisory Board Physicist

Cooperative - a win for all



Participation principle

- 1. Buy at least one cooperative share (from 100€)
- 2. Participation with subordinated loan (from 1,000€)

GENOSSENSCHAFTSANTEIL 1 bis max. 50 Anteile á 100,- EUR

mittel-, bzw. langfristige Geldanlage durch Gewinnbeteiligung an der BEG Ihre Einlage ist mind. 5 Jahre gebunden Mitgliedschaft ist Voraussetzung für Projektbeteiligung

Sie sind Miteigentümer der BEG mit einer Stimme (unabhängig von der Anzahl der Anteile)

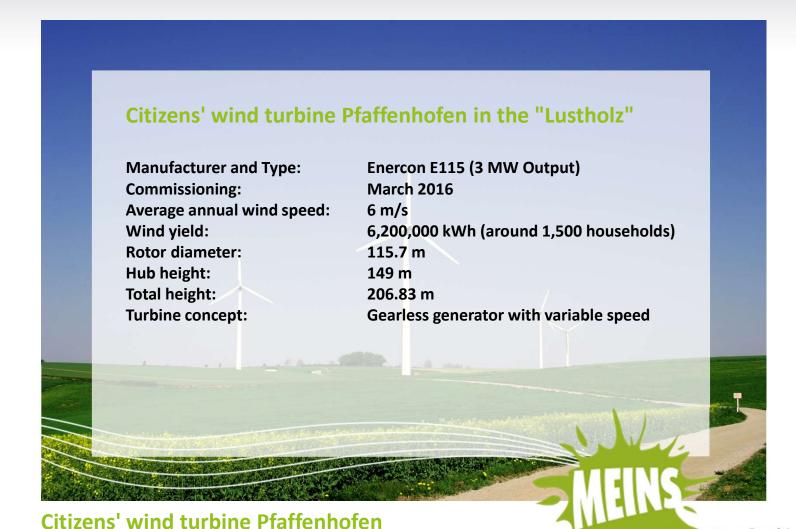
Sie fördern die Energiewende im Landkreis Pfaffenhofen

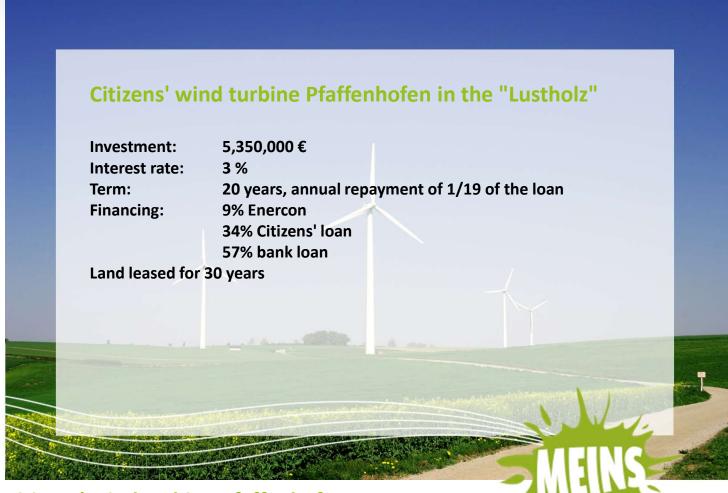
projektabhängig z.B. ab 1.000,- EUR

nachhaltige Geldanlage (Partiarisches Darlehen) mit jährlicher ausgewiesener Rendite





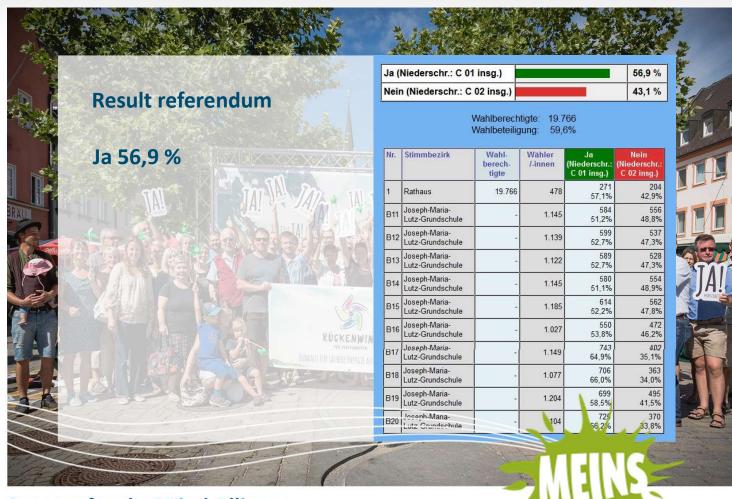




Citizens' wind turbine Pfaffenhofen







Success for the Wind Alliance

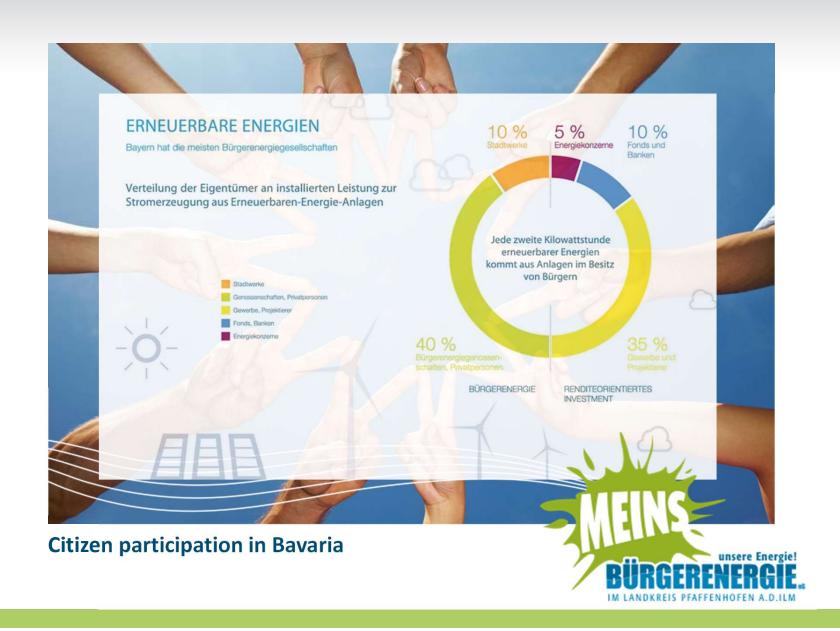




Project overview







Citizen participation in Bavaria

- Every second kWh of renewable energy in Bavaria and Germany comes from citizen plants.
- Around a quarter of all citizen energy companies in Germany are located in Bavaria (around 250).
- Around 550,000 PV systems currently generate around 12 million kWh of electricity for around 3.7 million households.
- 3,900 biomass plants currently generate 7,334 million kWh, supplying 2 million households.
- There are currently around 30,000 wind turbines in Germany with installed capacity of 55 gigawatts. Bavaria currently has around 1170 wind turbines.
- All of Bavaria's approximately 4,200 hydroelectric power plants generate electricity for 3.5 million average households.

Citizen participation in Bavaria





In 2014, we founded this association, which collects the common economic and political interests of the Bavarian citizen-owned energy industry.

This includes around 250 Bavarian citizen-owned energy cooperatives (around a quarter of all German BEGs), but also municipal and public utilities, the majority of which are publicly owned, and all other companies that operate regenerative citizen-owned energy plant.

Citizen participation in Bavaria

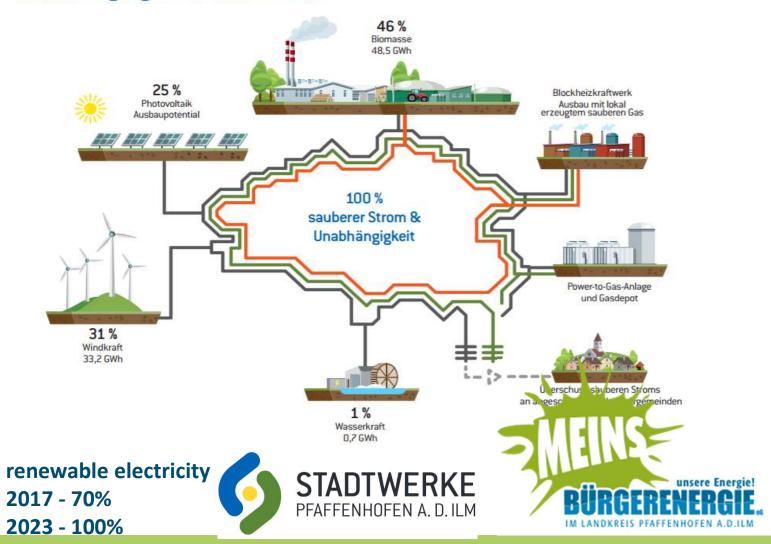




unsere Energie!

Important part of the success story!
Remunicipalisation of the grid for electricity and gas

Stromerzeugung in Pfaffenhofen 2021



Energy demand 2021 in the DISTRICT of Pfaffenhofen approx. 5.000 GWh El. Power Heat Mobility 2.500 GWh 850 GWh 1.650 GWh 500 GWh 20% 300 GWh 35% 115 GWh 7%

550 GWh

Savings through renovation and heat pumps

2.000 GWh

Efficiency increase through e-mobility

93%

TRANSFORMATION to

80%

65%

100 % renewable energy

1.535 GWh

500 GWh

550 GWh

Additional demand for renewable electricity through an "all electric" strategy

1.600 GWh

Necessary transformation in the district of Pfaffenhofen









Andreas Herschmann, Chairman of the Board Dr. Holger Klos, Project manager

Bürgerenergiegenossenschaft im Landkreis Pfaffenhofen an der Ilm eG

