

TAKING
COOPERATION
FORWARD

📍 Pfaffenhofen 26.11.2020

💬 **D.T1.2.4: Reversed local energy plans based on citizens and other stakeholder inputs; Top 3 energy projects**

👤 Bürger-Energiegenossenschaft Pfaffenhofen (PP09) & Stadtwerke Pfaffenhofen (PP08)

D.T1.2.4 REVERSED LOCAL ENERGY PLAN; TOP 3 ENERGY PROJECT AND THEIR POTENTIAL AND POSSIBLE EFFECTS



Introduction

The city of Pfaffenhofen and its citizens are committed to the goals of climate protection and sustainability.

The UN has established a charter with 17 overarching goals to achieve future-proof and sustainable climate protection.

The City of Pfaffenhofen and its citizens have already adopted the attractive and relevant targets for their city for 2014/2015 and have set themselves sub-goals here. The climate protection concept and energy plans in 2020 reflect these goals.

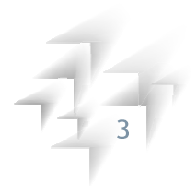


D.T1.2.4 REVERSED LOCAL ENERGY PLAN; TOP 3 ENERGY PROJECT AND THEIR POTENTIAL AND POSSIBLE EFFECTS



Objectives for sustainable development

- 1 No poverty
- 2 Not hungry
- 3 Health and well-being
- 4 High-quality education
- 5 Gender equality
- 6 Clean water and sanitation
- 7 Affordable and clean energy
- 8 Decent work and economic growth
- 9 Industry, innovation and infrastructure
- 10 Fewer inequalities
- 11 Sustainable cities and municipalities
- 12 Responsible consumption and production patterns
- 13 Climate protection measures
- 14 Life under water
- 15 Life on land
- 16 Peace, justice and strong institutions
- 17 partnerships to achieve the objectives



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Possible objectives for sustainable development (Chart)

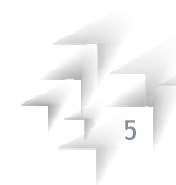


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Commitment to climate protection & sustainability for PAF



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Roadmap of the climate protection concept and the energy roadmap contained therein

| | Months | | | | | | | | | | | | |
|---|--------|---|---|---|---|---|---|---|---|----|----|----|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| WP 1.1 Evaluation of previous activities | █ | █ | | | | | | | | | | | |
| WP 1.2 Evaluation of the organisation structures | | █ | █ | | | | | | | | | | |
| WP 1.3 Collections of projects / best practice examples | | | █ | █ | | | | | | | | | |
| WP 1.4 Participation of stakeholders | | | | | █ | █ | █ | █ | █ | █ | █ | █ | |
| WP 1.5 citizen participation | | | | | | | | | █ | █ | █ | | |
| WP 1.6 Elaboration of a catalogue of measures | | | | | █ | █ | █ | █ | █ | █ | █ | █ | █ |
| WP 1.7 Overall roadmap including the energy roadmap | | | | | | | | | | █ | █ | █ | █ |
| WP 1.8 Strategy for consolidation | | | | | | | | | | █ | █ | █ | █ |
| WP 1.9 Controlling conception | | | | | | | | | | █ | █ | █ | █ |
| WP 1.10 Communication strategyc | | | | | | | | | | █ | █ | █ | █ |
| WP 1.11 Final report / presentations | | | | | | | | | | | █ | █ | █ |
| WP 1.12 Project management | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ | █ |



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Roadmap of the climate protection concept and the energy roadmap contained therein
(1 of 2)

Before starting a project, the measures are first evaluated (WP 1.1). The organisational structure of a project is important (WP 2); experienced citizen project developers must be appointed and accepted as project managers. An experienced steering committee should have "best practice examples" experience or knowledge of them (WP 3). The potential actors have been identified and will be involved (WP 4). The same applies to citizens (WP 5). Objectives and a way to achieve them were mapped out in a catalogue of measures (WP 6). The climate protection concept provides the overall roadmap (WP 7).



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Roadmap of the climate protection concept and the energy roadmap contained therein
(2 of 2)

The energy plans are part of WP 7, and the results must be reviewed and adjusted again and again (WP 8). City officials and external experts work together to ensure the best possible controlling concept and communication (WP 9 and WP 10). The citizens should be actively involved in the presentations. For this reason, we recommend to hold several different presentations in different events (WP 11). Good project management is very important. Citizen experts should attend project management trainings on a regular.



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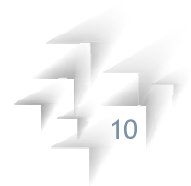


Energy objective 100% renewable energy

Up to 10 citizen energy project/project development paths were taken. The project development has developed in the course of participation with the citizens to first 8 and then 6 citizen energy projects. In other words, citizens' energy projects are the dominant tool to drive the energy plans forward.

The projects control the energy plans and not vice versa

The following six citizen projects have been created or actively renewed during the development of the climate protection- and energy plans in the frame of the EU-Project (3 by the BEG und 3 by the SWP).



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Project selection with in Periode 2

- **Energy Column** - Energy column and CO2 display for sensitisation and status indication
- **Development of local CO2 compensation fund** - Local CO2 compensation fund to support regional climate protection projects
- **Citizens wind farm** - Citizen wind farm with three turbines, 12.6 MW (22 GWh)
- **Battery swarm project SWP** - Several small local energy stores
- **PowerToGas SWP** - Power to gas - transforming electrical power into CH4
- **City Bus Concept SWP**



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