

EcoQuartier

Pfaffenhofen, Germany



Size:

21.5 acres

Dates:

2010 – 2050 ongoing development

Project Team:

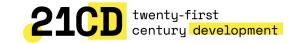
Ministry VROM

Photo by BDZ-bau

EcoQuartier is a planned residential community with a separate commercia district. The walkable development utilizes energy-efficient construction and wetlands for stormwater management. It is intended to use 100% renewable energy, be carbon-neutral, and be a walkable community with schools, stores, and other services.

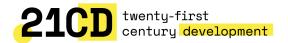
Goals & Strategies

Place	
Food	Goals: Goals not defined.
	Strategies: EcoQuartier is located in an agrarian area with access to local produce, gardening.
Habitat	Goals: Goals not defined.
	Strategies: Open-space design for landscaping, tree planting. Constructed wetlands. Retention basins for
	flood prevention. Gardening is allowed.
Transportation	Goals: Goals not defined.
	Strategies: Car sharing, public transportation access. Electric vehicles, bicycles. Limited parking spaces.
	Train station within 0.5 miles. Limited vehicle access.
⊘ Water	
Water	Goals: Goals not defined.
	Strategies: Two water circuits for potable and hot water. Greywater filtered through constructed wetlands.

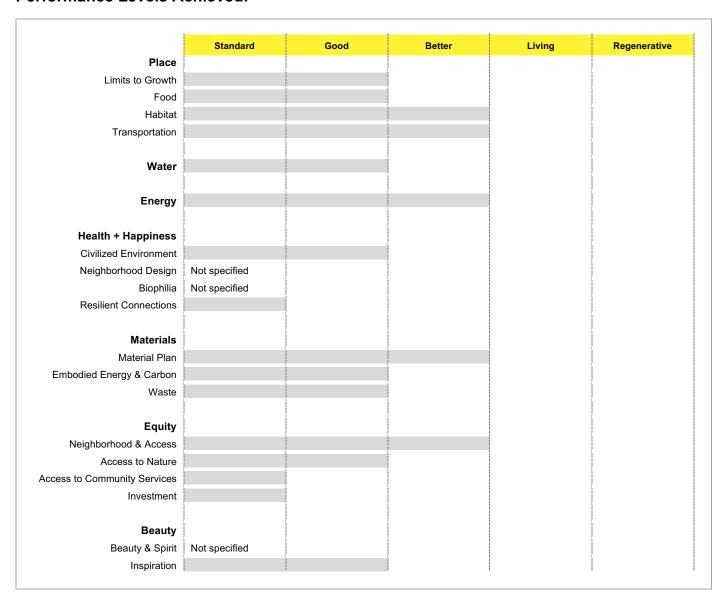


4 Energy		
Energy	Goals: Carbon-neutral by 2050. 100% renewable energy. Strategies: Solar PV on rooftops required to maximize roof utilization. PV in field to cover demand. District solar thermal heating, energy efficiency.	
Health + Happiness (Details not provided by researchers)		
⊗ Materials		
Material Plan	Goals: Goals not defined. Strategies: Cradle-to-cradle philosophy for material selection. Carbon footprint calculations and LCAs conducted on material selection. Nontoxic materials. Materials selection that reduces CO ₂ .	
Waste	Goals: Goals not defined. Strategies: Recycling infrastructure. Education n recycling.	
目 Equity		
Neighborhood & Access	Goals: Goals not defined. Strategies: Different architectural styles. Plots can be purchased within the village for a new house to be built within the requirements.	
Access to Nature	Goals: Goals not defined. Strategies: Biophilic design and landscaping.	
Access to Community Services	Goals: Goals not defined. Strategies: Walking paths, community buildings, and services. Community services and schools within a 2-mile radius of the community.	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



Performance Levels Achieved:



Sources:

*Note: This case study was developed using found information.

21st Century Development is a model for the creation of regenerative communities that strives to provide a healthy environment for all people and living systems now and in a dynamic future.

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