

Abundance EcoVillage

Fairfield, Iowa, United States



Size:

15 acres, up to 23 single-family units, 2 multi-family units, 14 homes occupied

Dates:

2002-Ongoing

Project Team:

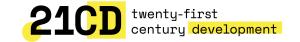
Michael Havelka, Lawrence Gamble, Amy Greenfield

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Abundance EcoVillage is a planned off-grid community located on agricultural land outside of the town of Fairfield. Residents can purchase a lot and build a house to required performance standards. Creating a robust community that promotes health and prosperity for the residents and greater environment.

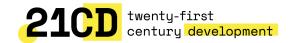
Goals & Strategies

Place	
Food	Goals: Promote community engagement in agriculture. Strategies: Community gardens and greenhouse, permaculture landscaping.
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Habitat	Goals: Goals not defined.
	Strategies: Landscaping with native prairie plants, constructed wetlands for water purification,
	beekeeping, large amount of undeveloped acreage.
Transportation	Goals: Promote commuting by bike.
	Strategies: Bike infrastructure connecting to greater community, walking paths.
Water	
Water	Goals: 100% stormwater infiltration on site, blackwater treatment on site.
	Strategies: Rainwater capture, storage, and reuse for non-potable uses in the home; constructed wetlands.
4 Energy	

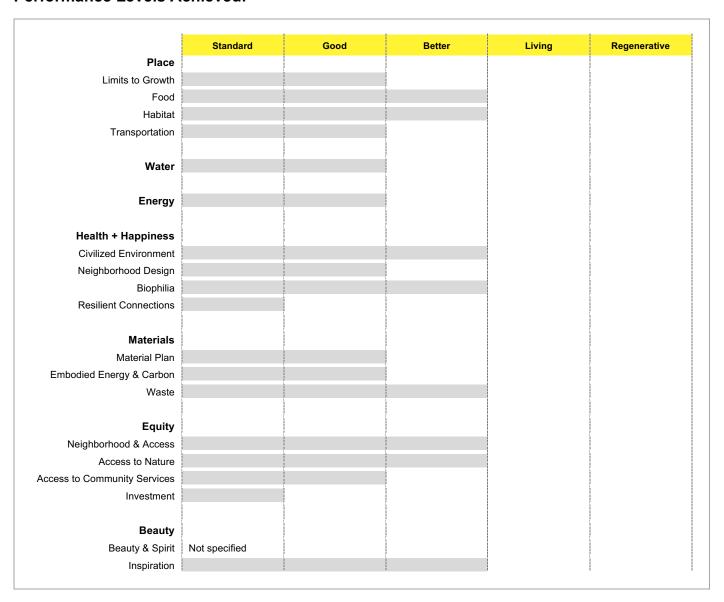


Energy	Goals: Consume 80% less energy than code; maximum 300 kilowatts per month per house. Strategies: Passive solar design strategies, passive house envelope strategies. On-site renewable energy: wind, solar PV and hot water, passive ventilation, geothermal for heating and cooling.	
日 Health + Happiness		
Neighborhood Design	Goals: Foster community, promote health and wellbeing for residents. Strategies: Public access to streets, walking paths, outdoor community amphitheater, ponds for swimming, community education on sustainable living, community hosts lectures, films, and concerts.	
⊗ Materials		
Material Plan	Goals: Sustainable materials preferred. Strategies: Wood construction, labeled material preference for no toxicity.	
Waste	Goals: 100% food wastes composted. Strategies: Waste treated on site; composting, recycling facilities on-site and collection services provided to the neighborhood.	
吕 Equity	(Details not provided by researchers)	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



Performance Levels Achieved:



Sources:

Http://www.abundance-ecovillage.com

Http://www.greenfieldproperties.com/?gallery=abundance-ecovillage

*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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