ABUNDANCE ECOVILLAGE | Fairfield, Iowa, U.S.



Size: 15 acres, up to 23 single family units, 2 multi-family units

Dates: 2002-ongoing; 2012- 14 homes occupied

Team: Michael Havelka, Lawrence Gamble, Amy Greenfield

Description: Abundance Ecovillage is a planned offgrid community located on agricultural land outside of the town of Fairfield. Residents can purchase a lot & build a house to required performance standards.

Intent: Create a robust community that promotes health & prosperity for the residents and greater environment

S Sit+Place GOALS: (Food) Promote community engagement in agriculture; (Transportation) Promote bike commute

STRATEGIES: (Food) Community gardens & greenhouse, permaculture landscaping; (Habitat+Biodiversity) Landscaping with native prairie plants, constructed wetlands for water purification, beekeeping, large amount of acreage not developed;

(Transportation) Bike infrastructure connecting to greater community, walking paths.



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.



GOALS: 100% stormwater infiltration on site, blackwater treatment on-site

STRATEGIES: Rainwater capture, storage and reuse for non-potable uses in the home, constructed.



Percentage of affordable units: Not reported.

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.



GOALS: (Materials) Sustainable materials preferred.; (Waste) 100% food wastes composted.

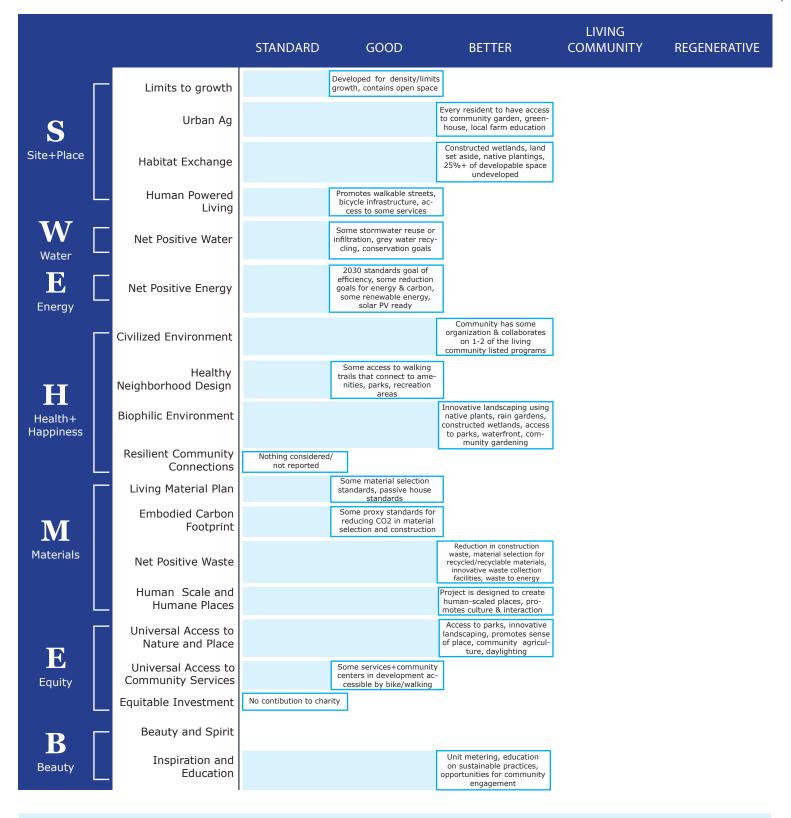
STRATEGIES: (Materials) Wood construction, labeled material preference for no toxicity.; (Waste) Waste treated on site, composting, recycling facilities on site and collection services provided to the neighborhood.







SUSTAINABILITY MATRIX



SOURCES:

http://www.abundance-ecovillage.com/

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





