## **ECOVILLAGE AT ITHICA**

Ithica, New York, U.S.



Size: 175 acres, 100 units, 225 people

Dates: 1991-2013

Team: Co-Founders: Liz walker, Joan Bokaer Engineers: Taitem Engineering

Description: Former greenfield/agricultural land. EcoVillage Ithica is a pioneering eco-village two miles from the town of Ithica, NY. The development contains three neighborhoods that exemplify energy efficient construction and innovation in community planning.

Intent: Affordable net zero energy homes and apartments, minimize waste and consumption of resources, create a vibrant and diverse community, build educational relationships with broader community

Sit+Place

GOALS: (Food); (Habitat+Biodiversity) Promote biodiversity, reduce ecological footprint by 70%; (Transport)

STRATEGIES: (Food) Community gardens, two organic farms producing food for community, educational opportunities for residents; (Habitat+Biodiversity) 80% of the site is dedicated open space, 55 acres are placed in a conservation easement, prairie landscape, permaculture, reforestation by an arborist; (Transport) Cars restricted to the perimeter of the community, car sharing and carpooling promoted, walking paths within community, carpooling, must drive to services



GOALS: Use 1/3 of typical development consumption

STRATEGIES: Rainwater collection, composting toilets, greywater infrastructure has been installed in units and awaits funding for completion



GOALS: Densely clustered Net-Zero energy community, biomass technologies are being studied for application

STRATEGIES: Net-Zero energy ready, Passive solar design strategies, passive house envelope principles, solar light tubes, grid tied solar PV, community solar hot water, heat exchange ventilation, 1 high-efficiency condensing gas boiler per 6-8 homes, Energy Star appliances, the community monitors and reports energy consumption and continually seeks improvements



Percentage of affordable units: Affordable rentals available.

GOALS: A community for all ages, promote sharing of resources between residents

STRATEGIES: Co-housing, community house, community center, apartment building, lots for purchase, playgrounds, community members volunteer with running and maintaining the eco-village, walkable community that is pedestrian oriented, annual community report and newsletter updates on community.



GOALS: (Materials); (Waste)

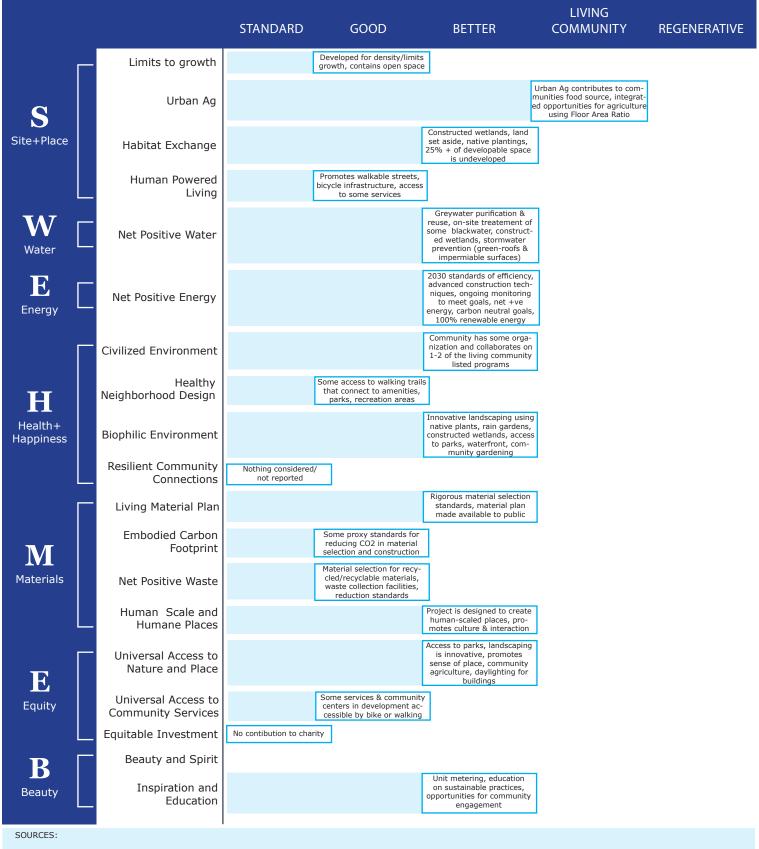
STRATEGIES: (Materials) Recycled and recyclable materials used in construction and insulation, salvaged materials, selection for non-toxic materials; (Waste) Greywater recycling, composting, recycling services







## SUSTAINABILITY MATRIX



http://ecovillageithaca.org/

http://inhabitat.com/ecovillage-at-ithaca-offers-sustainable-living-in-a-community-setting/

http://www.ic.org/directory/ecovillage-at-ithaca/ https://www.youtube.com/watch?v=H4wPnwPVuu4





