GÅRSTADEN | Gårdstensbostäder, Sweden



Size: 4 building block, 2700 apartments, population 7,500-8,500

Dates: Original building built 1969- 1972, renovated 1998-2004

Team: Gårdstens Bostäder

Description: The solar housing project of Gårdsten re-envisioned existing buildings into a community that practices energy efficient living

Intent: Revitalize community and building infrastructure, improve integration of renewable energy and increase energy efficiency in construction



GOALS: (Food) Not Defined; (Habitat+Biodiversity) Not Defined; (Transport) Not Defined

STRATEGIES: (Food) Community greenhouses, gardening locations; (Habitat+Biodiversity) Landscaping, internal courtyard, gardens; (Transport) Access to public transportation, electric vehicles for rent, bicycle infrastructure



GOALS: Not Defined

STRATEGIES: Not Reported



GOALS: 40% energy saving, 35% renewable energy for heating. Energy Demand: 50 kBTU/ft² heating and electricity, 18 kBtu/ft² household energy

STRATEGIES: Innovative wall solutions for solar thermal, energy efficiency strategies, window replacement, insulated basement slab, energy efficient appliances, solar hot water, individual metering, ventilation with heat recovery, solar PV, district heating, solar air heating double walls, wind turbines, individual metering, energy management monitoring, annual reports



Percentage of affordable units: NA GOALS: High quality public housing

STRATEGIES: Community engagement in re-development and ongoing decision making, resident education and online resources for sustainable living, unemployment services for residents, access to services including schools and shops



GOALS: (Materials) Increase existing buildings energy efficiency; (Waste) Streamline separation of waste types

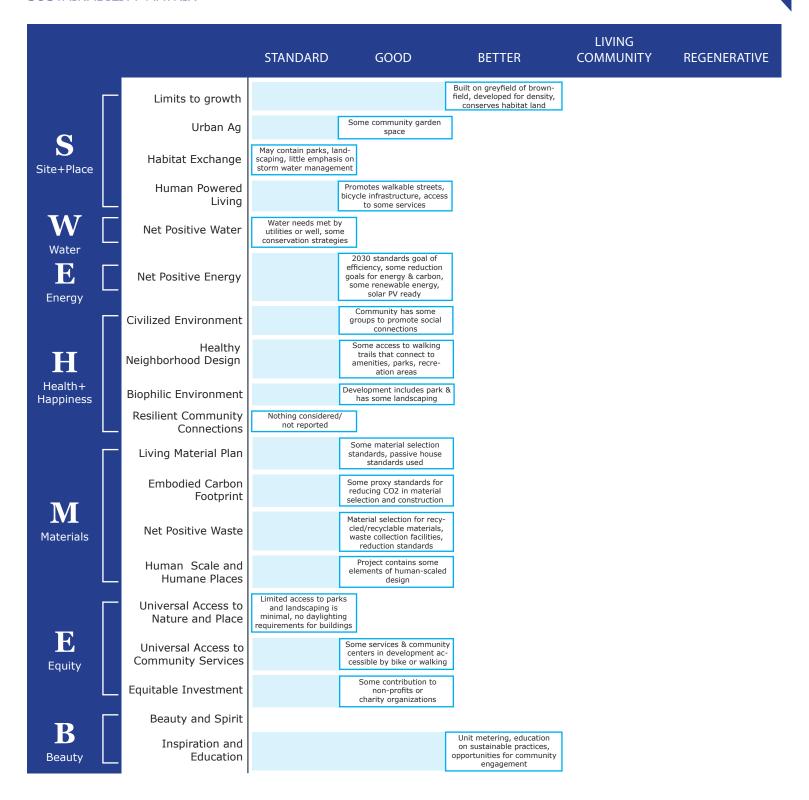
STRATEGIES: (Materials) Renovation of existing buildings to increase energy efficiency.; (Waste) Composting facilities, recycling facilities, educate residents on waste types, biogas creation from compost







SUSTAINABILITY MATRIX



SOURCES:

https://www.gardstensbostader.se/

http://www.hemhyra.se/amnen/gardstensbostader

http://www.vgregion.se/upload/Regionkanslierna/Milj%C3%B6samverkan/Kurser/S%C3%A5funkarA5G%C3%A5rdsten_1_4.pdf http://www.envirosweden.se/details/?ebid=114&ebtn=ReferenceObject

http://www.formas.se/PageFiles/5460/Formas_SB11_brochure.pdf

http://www.government.se/contentassets/c499a64c636542989f295e75bdd126a2/towards-an-eco-efficient-economy---12-swedish-examples





