GREENSBURG GREEN TOWN
Greensburg, Kansas, U.S

Size: 1.5 miles², 785 residents

Dates: 2007 planning, 2008-ongoing construction, 2009 wind farm construction

Team: Town officials, BNIM, Greensburg Greentown

Description: In 2007, the town of Greensburg was destroyed by a tornado. Afterwards, residents worked with planners to develop a comprehensive sustainability plan to re-envision Greensburg as a resilient community

Intent: Make it easier for residents to live sustainable lifestyles, engage residents in the process, make Greensburg a model town

S Sit+Place

GOALS: (Food) Agriculture tourism plan ; (Habitat+Biodiversity) 20% of lots must consist of permeable surfaces or open space ; (Transport) Not defined

STRATEGIES: (Food) Not reported ; (Habitat+Biodiversity) Greywater retention and filtration through landscaping, innovative landscaping, native prairie species, green way corridor, conservation areas, and stream restoration ; (Transport) Bicycle infrastructure, landscaped surface lots with permeable paving, hybrid vehicle parking, E-85 biodiesel facilities, promote a pedestrian downtown, on street parking, minimal surface parking lots

W Water

GOALS: Zero storm water runoff

STRATEGIES: Use of efficient appliances, bioswales to collect and filter water, collect and store storm water for re-use for non-potable uses, allow for infiltration, promote water conserving irrigation for agriculture, planning for 100 year floods, permeable pavement

E Energy

GOALS: 100% renewable energy, net exporter of energy, buildings 50% more efficient than code

STRATEGIES: 12.5MW wind farm, net metering, efficiency goals for new construction and renovations, homes use 40-50% less energy to operate, LED street lights, geothermal for select buildings, biomass, Architecture guidelines in master plan, 2-3 story buildings for down town, LEED platinum for city buildings and schools

E Equity

Percentage of affordable units: Not defined
GOALS: Affordable rural community

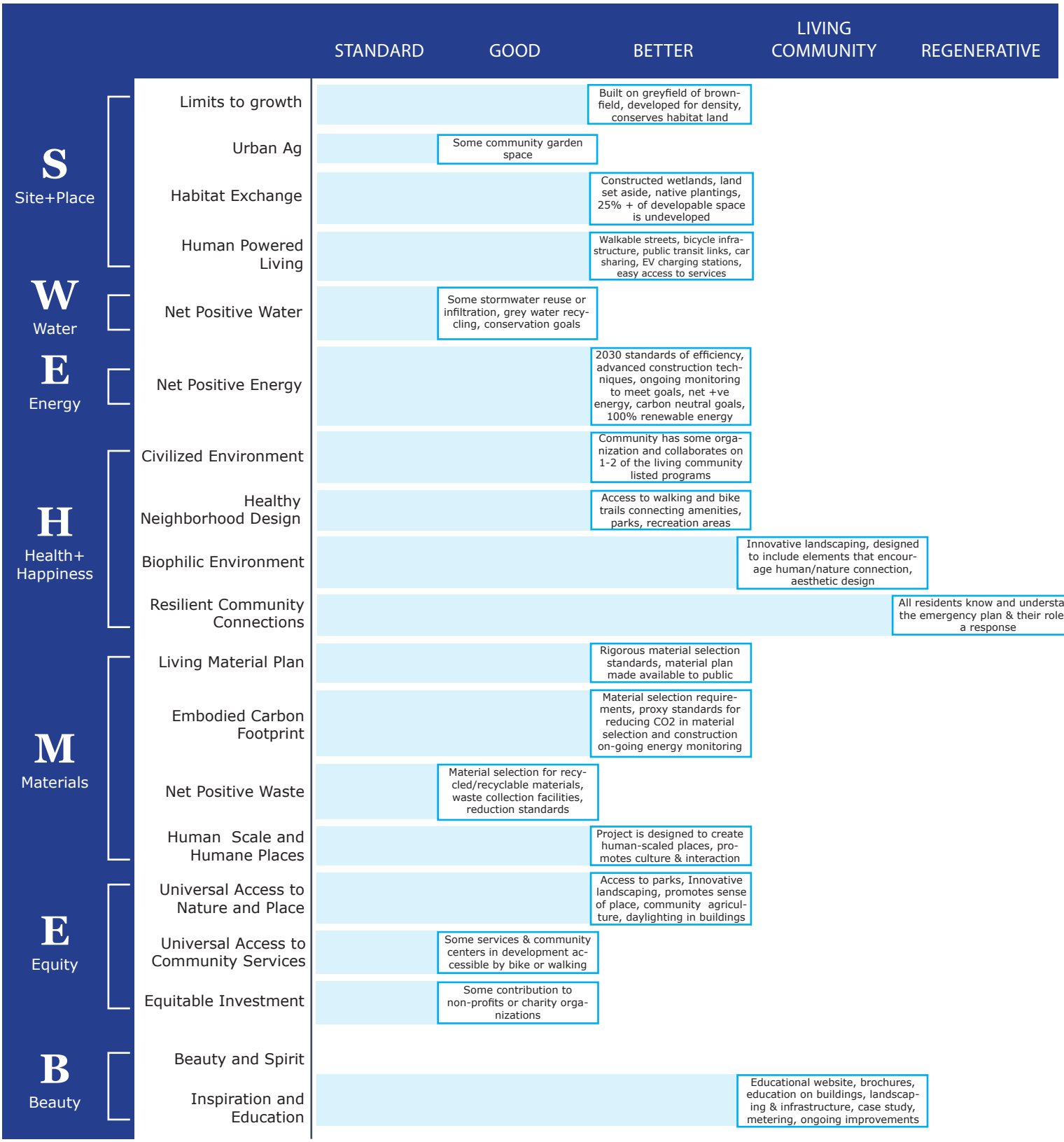
STRATEGIES: Solar orientation and innovative daylighting strategies, downtown development has increased density, community engagement including younger residents in design proposals, resident education on sustainable infrastructure, walkable downtown, community engagement in planning, aesthetics of development matching resident preferences landscaping, disaster planning

M Materials

GOALS: (Materials) Built to last 100+ years ; (Waste) Not defined

STRATEGIES: (Materials) Materials selected for durability, low maintenance, certain buildings promote reclaimed materials, materials selected for low-no toxicity or VOC content, locally sourced preference, recycled content or recyclable preference ; (Waste) Single stream curb side recycling

SUSTAINABILITY MATRIX



SOURCES:

http://www.greensburggreentown.org/
http://www.sustainable.org/creating-community/building-partnerships/1707-greensburg-green-town-kansas
http://www.npr.org/templates/story/story.php?storyId=126833862
http://www.bnim.com/project/greensburg-ks-sustainable-comprehensive-master-plan