

Greensburg Greentown

Greensburg, Kansas, U.S.



Size:

1.5 miles², 785 residents

Dates:

2007 planning; 2009 wind farm construction; 2008 – ongoing construction

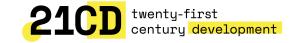
Project Team:

Town officials, BNIM, Greensburg Greentown

In 2007, the town of Greensburg was destroyed by a tornado. Afterward, residents worked with planners to develop a comprehensive sustainability plan to re-envision Greensburg as a resilient community. The goal of the project is to make it easier for residents to live sustainable lifestyles, engage in the planning process, and make Greensburg a model town.

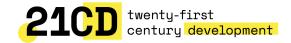
Goals & Strategies

<u>Q</u> Place	
Food	Goals: Agriculture tourism plan. Strategies: Strategies not reported.
Habitat	Goals: 20% of lots must consist of permeable surfaces or open space. Strategies: Greywater retention and filtration through landscaping. Innovative landscaping. Native prairie species. Greenway corridor, conservation areas, and stream restoration.
Transportation	Goals: Goals not defined. Strategies: Bicycle infrastructure. Landscaped surface lots with permeable paving. Hybrid vehicle parking. E-85 biodiesel facilities. Pedestrian-oriented downtown. On-street parking; minimal surface parking lots.
Water	
Water	Goals: Zero stormwater runoff. Strategies: Use of efficient appliances. Bioswales to collect and filter water. Collect and store stormwater for reuse for non-potable uses. Allow for infiltration. Promote water-conserving irrigation for agriculture. Permeable pavement.

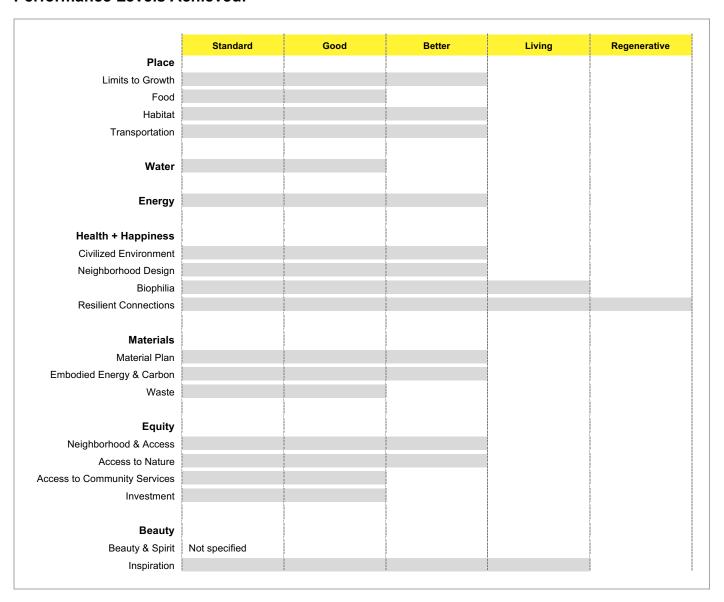


<i>⁴</i> Energy		
Energy	Goals: 100% renewable energy. Net exporter of energy. Buildings 50% more efficient than code. Strategies: 12.5 MW wind farm. Net metering. Efficiency goals for new construction and renovations. Homes use 40-50% less energy to operate. LED street lights. Geothermal for select buildings. Biomass. Architecture guidelines in master plan. 2-3 story buildings for downtown. LEED Platinum for city buildings and schools.	
日 Health + Happiness (Details not provided by researchers)		
Materials		
Material Plan	Goals: Built to last 100 years. Strategies: Materials selected for low- or non-toxicity or VOC content. Locally-sourced preference. Recycled content or recyclable preference.	
Embodied Energy & Carbon	Goals: Goals not defined. Strategies: Materials selected for durability, low maintenance.	
Waste	Goals: Goals not defined. Strategies: Single-stream curbside recycling.	
吕 Equity		
Neighborhood & Access	Goals: Affordable rural community. Strategies: Downtown development with increased density. Community engagement including younger residents in design proposals. Walkable downtown. Development aesthetics match resident preferences.	
Access to Nature	Goals: Goals not defined. Strategies: Solar orientation and innovative daylighting strategies.	
Access to Community Services	Goals: Goals not defined. Strategies: Resident education on sustainable infrastructure.	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



Performance Levels Achieved:



Sources:

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

*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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