

ZIBI Ottawa, Ontario, Canada



Size: Approximately 0.5 square miles

Dates: 2007 – 2020

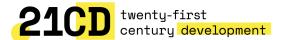
Project Team: Windmill Development Group, Dream Unlimited Corp.

Photo courtesy of Zibi/Handout

Zibi is an urban greyfield redevelopment with a comprehensive urban plan for sustainable living. The site will contain a mixed-use development that emphasizes vibrant sustainable living, a One Planet Living Community. It is designed to created mixed socioeconomic development with a strong sense of community, with access to local produce, site remediation, and increased biodiversity.

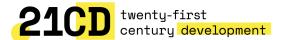
Goals & Strategies

🔉 Place					
Food	Goals: Community-wide access to local and sustainable produce (75% by 2020)				
	Strategies: 10% of landscaping is edible. 25% of residents can garden.				
Habitat	Goals: Remediation of soils, removal of invasive species.				
	Strategies: Predevelopment assessment of the landscape and ecosystems. Landscaping to increase				
	biological diversity. Restored river landscape. Park space. Resident education on the natural world.				
Transportation	Goals: Reduce vehicle travel to and from the site by 55%. Reduce vehicle carbon emissions by 75%.				
	Strategies: Bicycle infrastructure. Bike sharing. Walking paths. Access to public transportation, limited on-				
	street parking. Adaptation for electric vehicle infrastructure. Car sharing programs encouraged.				
🕅 Water					
Water	Goals: 200-year flood risk strategy, water conservation, runoff volumes designed to be less than the previous condition of the site.				
	Strategies: Water recycling; master planned stormwater treatment and drainage strategy.				



4 Energy						
Energy	Goals: Carbon neutral. 100% renewable energy. Exceed energy performance standards by 30%. Strategies: Energy-efficient designs. District heating and cooling. Geothermal, wind turbines. Buildings designed to be updated to best practices. Remaining energy demands met by offsite renewable energy certificates. Ongoing monitoring.					
	1CSS (Details not provided by researchers)					
Se Materials						
Material Plan	Goals: Goals not specified. Strategies: Strategies not reported.					
Materials	Goals: Reduce buildings' embodied energy. 50% FSC wood. Strategies: LCA on materials and design. Adaptive reuse of existing buildings.					
Waste	Goals: Zero waste. Reduce household waste by 10% per year until no more than 2% is landfilled. Strategies: 90% of construction waste by weight will be reclaimed or recycled. Reuse, recycling, composting and energy recovery. Businesses and residents educated on waste prevention. Recycling infrastructure.					
吕 Equity						
Neighborhood & Access	 Goals: 60% commercial, 20% retail, 20% residential. 70% of residents will participate in local or fair-trade purchasing by 2020. Strategies: Public access to streets, human-scaled design. Emphasis on indoor air quality. Mixed affordability of units. Exceed LEED indoor air quality standards. 					
Access to Nature	Goals: Walk score of 90%. Strategies: 12% of master-planned area is public space: plazas, squares, parks.					
Access to Community Services	Goals: Goals not specified. Strategies: Strategies not reported.					
Beauty	(Details not provided by research)					

> See next page for Performance Levels achieved



Performance Levels Achieved:

	Standard	Good	Better	Living	Regenerative
Place					
Limits to Growth					
Food					
Habitat	ļ				
Transportation					
Water					
_					
Energy					
Health + Happiness					
Civilized Environment					
Neighborhood Design					
Biophilia					
Resilient Connections					
.					
Materials					
Material Plan					
Embodied Energy & Carbon					
Waste					
F					
Equity					
Neighborhood & Access					
Access to Nature					
Access to Community Services					
Investment					
D					
Beauty	Not on a final				
Beauty & Spirit	Not specified.				
Inspiration				1	1

Sources:

http://www.zibi.ca/sustainability/

*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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