

Clonburris

Dublin, Ireland


Size:

250 acres, 50,000 residents, 25,000 apartments

Dates:



2009 - 2021






Project Team:

Bo Aronsson

Clonburris is a suburb mixed-use community located in Dublin. The development will contain eight unique neighborhoods with parks, schools, and other services. It is intended to connect the city's communities, create a vibrant city center, and promote an easy way to live sustainably.

Goals & Strategies

 Place	
Food	Goals: Goals not defined. Strategies: Community garden plots.
Habitat	Goals: Goals not defined. Strategies: Diverse park system that includes different ecosystems, bioswales.
Transportation	Goals: Reduce dependence on cars. 83% of commuting trips without cars. Strategies: Two new train stations will service Clonburris. Walkable. Residents live near amenities. Bike infrastructure, car shares.
 Water	
Water	Goals: Goals not defined. Strategies: Stormwater managed through bioswales. Ponds and permeable pavers. Greywater collection for non-potable uses. Commercial areas will use oil interceptors. Screening, filtration, and water storage for reuse of greywater.

 Energy	
Energy	<p>Goals: Mandatory renewable energy. 30% on-site renewable, 30% off-site renewable.</p> <p>Strategies: On- and off-site renewable energy. District heating. 80% of residential floor space equipped with space heating and hot water from district heating. 5% meet passive house standard. Ban on clothing dryers. A committee will monitor compliance with GHG indicators and continuously improve the community energy efficiency standards.</p>
 Health + Happiness (Details not provided by researchers)	
 Materials	
Material Plan	<p>Goals: 80% of materials meet an A rating from BRE's Green Guide.</p> <p>Strategies: Use of LCAs and environmental indicators to select materials based on reducing impacts.</p>
Embodied Energy & Carbon	<p>Goals: 80% of onsite timber reclaimed or reused.</p> <p>Strategies: Specified recycled materials for construction.</p>
Waste	<p>Goals: 10% of construction material should be recycled or reused.</p> <p>Strategies: Recycling of greywater.</p>
 Equity	
Neighborhood & Access	<p>Goals: 15% affordable units. Designated Sustainable Development Zone to develop Regional Planning Guidelines.</p> <p>Strategies: Walkable from public transportation. 5 schools with walkable commutes.</p>
Access to Nature	<p>Goals: Goals not defined.</p> <p>Strategies: Minimum Daylighting requirements.</p>
Access to Community Services	<p>Goals: Goals not defined.</p> <p>Strategies: Community amenities: central plaza, library, community spaces, café, shopping, parks, gyms.</p>
 Beauty	(Details not provided by researchers)

> See next page for Performance Levels achieved

Performance Levels Achieved:

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

Sources:

<https://zoningthegardenstate.wordpress.com/2012/12/04/clonburris-dublins-first-eco-city/>

<https://prezi.com/ifqjsquoyojx/clonburris/>

**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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