**CLONBURRIS | Dublin, Ireland**

Size: 250 acres, 500,000 residents, 25,000 apartments  
Dates: 2009-2021  
Team: Project Manager, Bo Aronsson  

Description: Clonburris is a suburb mixed use community located in Dublin. The development will contain eight unique neighborhoods with parks, schools, and other services.

Intent: Connect the city communities, create a vibrant city center, promote an easy way to live sustainably.

GOALS: (Food) NA; (Habitat+Biodiversity) NA; (Transport) Reduce dependence on cars, 83% of commuting trips w/o cars.

STRATEGIES: (Food) Community garden plots; (Habitat+Biodiversity) Diverse park system that includes different ecosystems, bioswales; (Transport) Two new train stations will service Clonburris, walkable, residents live near amenities, bike infrastructure, car shares.

GOALS: NA

STRATEGIES: Storm water 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 grey water.

GOALS: Mandatory renewable energy: 30% on site renewable, 30% off site renewable.

STRATEGIES: On and off site renewable energy. District heating, 80% of residential floorspace 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.

Percentage of affordable units: 15%

GOALS: Designated Sustainable Development Zone to develop Regional Planning Guidelines.

STRATEGIES: Minimum daylighting requirements, community amenities: central plaza, library, community spaces, cafe, shopping, parks, gyms, walkable from public transportation, 5 schools with walkable commutes.

GOALS: (Materials) 80% of materials meet an A rating from BRE’s Green Guide, 80% of on site timber reclaimed or reused; (Waste) 10% of construction material should be recycled or reused.

STRATEGIES: (Materials) Specified recycled materials for construction, use of LCAs and environmental indicators to select materials based on reducing impacts; (Waste) Recycling of greywater.
<table>
<thead>
<tr>
<th>**Clonburris</th>
<th>Dublin, Ireland**</th>
</tr>
</thead>
</table>

**SUSTAINABILITY MATRIX**

<table>
<thead>
<tr>
<th><strong>Limit to Growth</strong></th>
<th><strong>Standard</strong></th>
<th><strong>Good</strong></th>
<th><strong>Better</strong></th>
<th><strong>Living Community</strong></th>
<th><strong>Regenerative</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Developed for density/limits growth, contains open space</strong></td>
<td><strong>Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped</strong></td>
<td><strong>Walkable streets, bicycle infrastructure, public transit links, car sharing, EV charging stations, easy access to services</strong></td>
<td><strong>Greywater purification &amp; reuse, on-site treatment of some blackwater, constructed wetlands, stormwater prevention (green-roofs &amp; impermeable surfaces)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Site + Place**

- **Urban Ag**
  - **Some community garden space**

**W Water**

- **Net Positive Water**
  - **2030 standards goal of efficiency, some reduction goals for energy & carbon, some renewable energy, solar PV ready**

**E Energy**

- **Net Positive Energy**
  - **Community has some groups to promote social connections**

**H Health + Happiness**

- **Civilized Environment**
  - **Access to walking and bike trails connecting amenities, parks, recreation areas**

**M Materials**

- **Resilient Community Connections**
  - **Development includes park & has some landscaping**

**Living Material Plan**

- **Rigorous material selection standards, material plan made available to public**

**Embodied Carbon Footprint**

- **Material selection requirements, proxy standards for reducing CO2 in material selection and construction on-going energy monitoring**

**Net Positive Waste**

- **Reduction in construction waste, material selection for recycled/recyclable materials, innovative waste collection facilities, waste to energy**

**Human Scale and Humane Places**

- **Project contains some elements of human-scaled design**

**Universal Access to Nature and Place**

- **Access to parks, promotes sense of place, some daylighting strategies for buildings**

**Universal Access to Community Services**

- **Diversity of services available in community easily accessible by different modes of transportation**

**Equitable Investment**

- **No contribution to charity**

**Beauty and Spirit**

- **Unit metering, education on sustainable practices, opportunities for community engagement**