OUR AIM IS TO CREATE THE WORLD’S GREENEST COMMUNITY. CONVERTING A CONTAMINATED, FENCED-OFF, VACANT INDUSTRIAL SITE INTO A SUSTAINABILITY SHOWPIECE
One Planet Living

A vision of a world in which people enjoy happy, healthy lives within their fair share of the earth’s resources, leaving space for wildlife and wilderness.
OPL: One Planet Living

If everyone on earth had European patterns of consumption, we would need 3 planets to support us.

If everyone had American lifestyles we would need 5 planets.
OPL Framework
Health and Happiness

Encouraging active, sociable, meaningful lives to promote good health and well being
Healthy Living
Equity and Local Economy
Creating bioregional economies that support equity and diverse local employment and international fair trade
Creating bioregional economies that support equity and diverse local employment and international fair trade.
Culture and Community

Respecting and reviving local identity, wisdom and culture; encouraging the involvement of people in shaping their community and creating a new culture of sustainability
Culture + Heritage
Land Use and Wildlife

Protecting and restoring biodiversity and creating new natural habitats through good land use and integration into the built environment
Access to Waterfront
Sustainable Water

Using water efficiently in buildings, farming and manufacturing. Designing to avoid local issues such as flooding, draught and water course pollution.
Water Value Proposition

![Bar chart showing potable water use in liters per person per day (L/person/day) for different scenarios. The baseline usage is significantly higher than the target of 125 L/person/day. Additional improvements include +35% more efficient fixtures, +50% more efficient irrigation, and non-potable water for toilet flushing, resulting in a reduction to 55 L/person/day.]

Potable Water Use
L/person/day
# Water Value Proposition

<table>
<thead>
<tr>
<th>Goals</th>
<th>Riverwater</th>
<th>Greywater</th>
<th>Rainwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential potable water = 125L/person/day.</td>
<td>Yes</td>
<td>Yes</td>
<td>Contributes</td>
</tr>
<tr>
<td>Eliminate potable water use in landscaping.</td>
<td>Yes</td>
<td>Contributes</td>
<td>No</td>
</tr>
<tr>
<td>All new buildings will utilize non-potable water for sewage conveyance.</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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</tbody>
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<tr>
<td>Residential cost per/sq.ft</td>
<td>$2.45</td>
<td>$2.73</td>
<td>$2.45</td>
</tr>
<tr>
<td>Cost per residential flush litre</td>
<td>$0.15</td>
<td>$0.17</td>
<td>$0.36</td>
</tr>
</tbody>
</table>
Local and Sustainable Food
Supporting sustainable and humane farming, promoting access to healthy, low impact, local, seasonal and organic diets and reducing food waste
Sustainable Materials

Using sustainable and healthy products, such as those with low embodied energy, sourced locally, made from renewable or waste resources
Sustainable Transport
Reducing the need to travel, and encouraging low and zero carbon modes of transport to reduce emissions
Sustainable Transport
Zero Waste
Reducing waste, reusing where possible, and ultimately sending zero waste to landfill
Zero Carbon
Making buildings energy efficient and delivering all energy with renewable technologies
Carbon Neutral Value Proposition

Drive Energy Demand Down

Community Baseline

- 240

Efficient Building

+ 145

Energy Management

+ 128

Carbon Neutral

- 128

- Kruger Waste Heat
- Run of River Hydro
- River Water
- Solar ready roof planes

(kWh / sm)

Source Carbon Neutral Supply
District Energy System
Views  Street pattern
Zibi is a Complete Community

- Residential
- Retail
- Commercial
- Hotel
- Cultural
OPL: 20-Year Commitment

- ZIBI endorsed as OPL Community
- Year 1 - We Are Here
- Coming - 1st Annual Report
- Beyond Bricks, mortar & utilities - Health, Happiness, Community Engagement over 20 years