SCHARNHAUSER PARK | Ostfildern, Germany

Size: 346 acres, 3,500 dwellings
Dates: 1992-2004
Team: City of Ostfildern, landscape architect: Gerhard Hauber

Description: Scharnhauser Park is a brownfield redevelopment project that contains a much needed residential neighborhood with some works places
Intent: Create an ecological community development that exemplifies sustainable living

GOALS: (Food) Not defined; (Habitat+Biodiversity) Not defined; (Transport) Not defined

STRATEGIES: (Food) Orchard and cultural connection to agriculture, local agriculture sold in stores; (Habitat+Biodiversity) 61 acres of parks, 104 acres of uncultivated open space, rain water retention gardens; (Transport) Public transportation links to greater city including a light rail station, bicycle infrastructure, parking reduced to 1 spot per unit, walking paths

GOALS: 100% of storm water remains on site through infiltration or harvesting

STRATEGIES: Stormwater is directed into retention beds, rainwater is either captured or returned to the water table, direct infiltration drainage system, stormwater retention trenches that are staggered to filter water before it enters the river

GOALS: Utilize efficient construction standards for buildings

STRATEGIES: Solar PV, solar hot water, geothermal energy, efficient design, district heating

Percentage of affordable units: Units are market rate though programs exist to support affordability
GOALS: Not defined

STRATEGIES: Public access to streets, human scale design, community services and centers, schools, open park space, climate protection concept, website detailing resilient strategies, public art, educational opportunities

GOALS: (Materials) Not defined; (Waste) Not defined

STRATEGIES: (Materials) Renovation of existing buildings, energy efficient construction; (Waste) Re-use of existing buildings material, construction waste recycled and re-purposed for roads, waste facilities
### SUSTAINABILITY MATRIX

<table>
<thead>
<tr>
<th>S</th>
<th>Site + Place</th>
<th>W</th>
<th>Water</th>
<th>E</th>
<th>Energy</th>
<th>H</th>
<th>Health + Happiness</th>
<th>M</th>
<th>Materials</th>
<th>E</th>
<th>Equity</th>
<th>B</th>
<th>Beauty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limits to growth</td>
<td>Built on greyfield of brownfield, developed for density, conserves habitat land</td>
<td>Urban Ag</td>
<td>Opportunity for every resident to have access to community garden, green-house, local farm education</td>
<td>Habitat Exchange</td>
<td>Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped</td>
<td>Human Powered Living</td>
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<tr>
<td>Net Positive Water</td>
<td>Some stormwater reuse or infiltration, grey water recycling, conservation goals</td>
<td>Net Positive Energy</td>
<td>2030 standards goal of efficiency, some reduction goals for energy &amp; carbon, some renewable energy, solar PV ready</td>
<td>Civilized Environment</td>
<td>Community has some organization and collaborates on 1-2 of the living community listed programs</td>
<td>Healthy Neighborhood Design</td>
<td>Innovative landscaping using native plants, rain gardens, constructed wetlands, access to parks, waterfront, community gardening</td>
<td>Resilient Community Connections</td>
<td>Development includes park and has some landscaping</td>
<td>Living Material Plan</td>
<td>Some material selection standards, passive house standards used</td>
<td>Embodied Carbon Footprint</td>
<td>Standard construction &amp; material selection</td>
</tr>
</tbody>
</table>

**Sources:**
- [www.ostfildern.de/scharnhauser_park.html](http://www.ostfildern.de/scharnhauser_park.html)