Welcome to SageVille (An eco town and a happy place to live!)

Examples of maps and 3D Models from the Year 7 My Green City project 2021

Welcome to Sage Ville (An eco-town and a happy place to live!)

Just outside the city is our solar farm run by our residents. We get lots of sun and good weather in the summer, so we use our solar farms to make the most of it! The wind turbine is sat just behind the recycling plant and when its snowy and windy in the winters, the city's power is provided.

We have located the homes so that they overlook our green allotments where we grow our food source. In our buildings, there are hundreds of apartments, giving our residents a sense of community :3

In our city lake, we have all kinds of fish species. In the summer, the lake is used for the annual open water swimming championship. However, in the winter people can watch the fish and feed them, it is a place to relax.

We have many charging points for our transport, though bikes are mostly used in our city. For public transport an electric bus travels around the city day and night.

By Immy Batie 7SMR

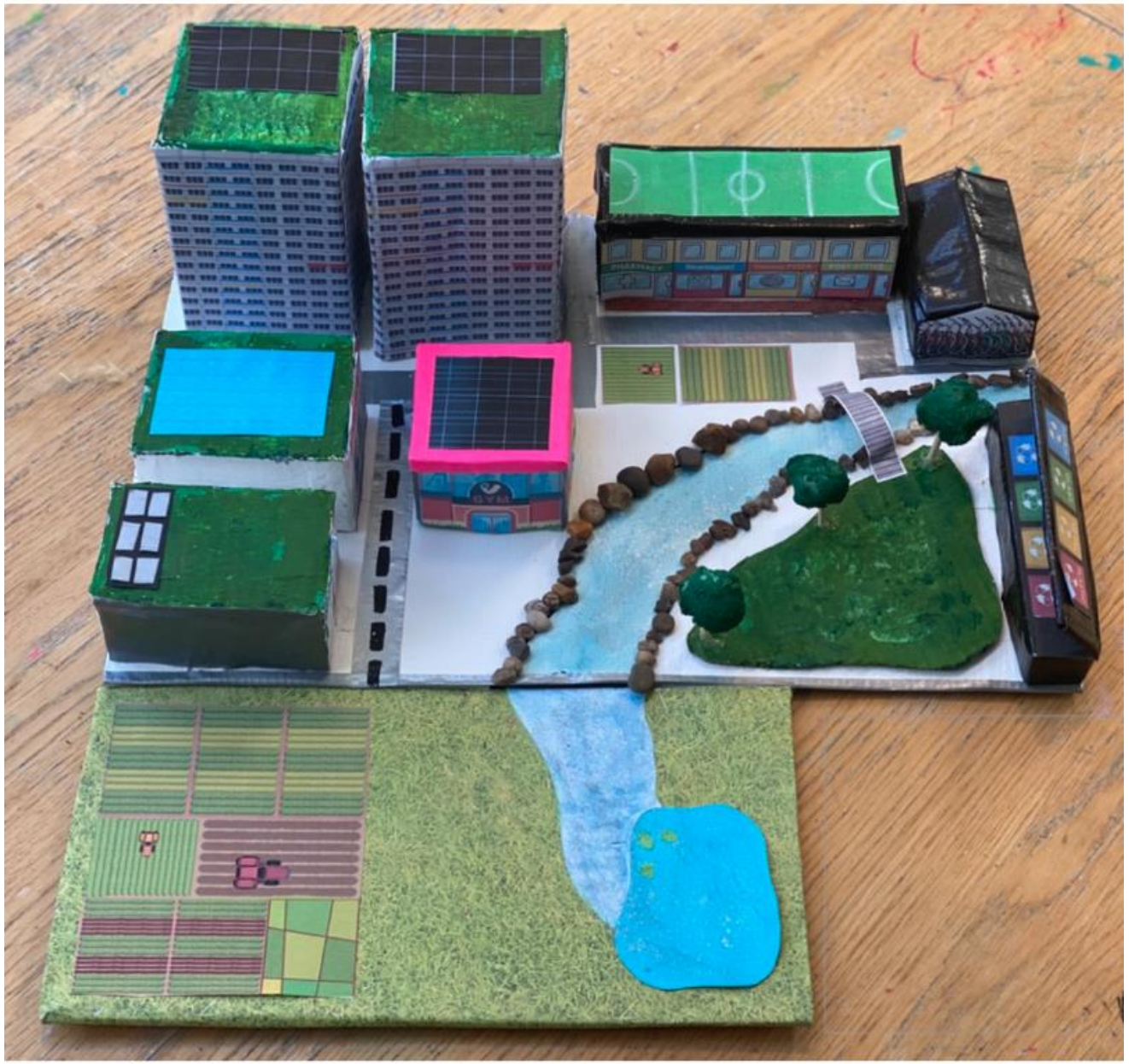
Celistic City
by Benjamin Busk
7HAB

Greensville by Tilly English 7HAB

1 = Houses
2 = Flats
3 = Transport Hub
4 = Farm
5 = Community Allotment
6 = Park
7 = River
8 = Wind Turbines
9 = Market
10 = Commercial Center
11 = Bridge
12 = Boat
13 = Bike
14 = Boat Pick-Up (Pier)
15 = Information Point
16 = Recycling Center

Sustineri by Gracie Miller 7HAB

(Sustainable in Latin)

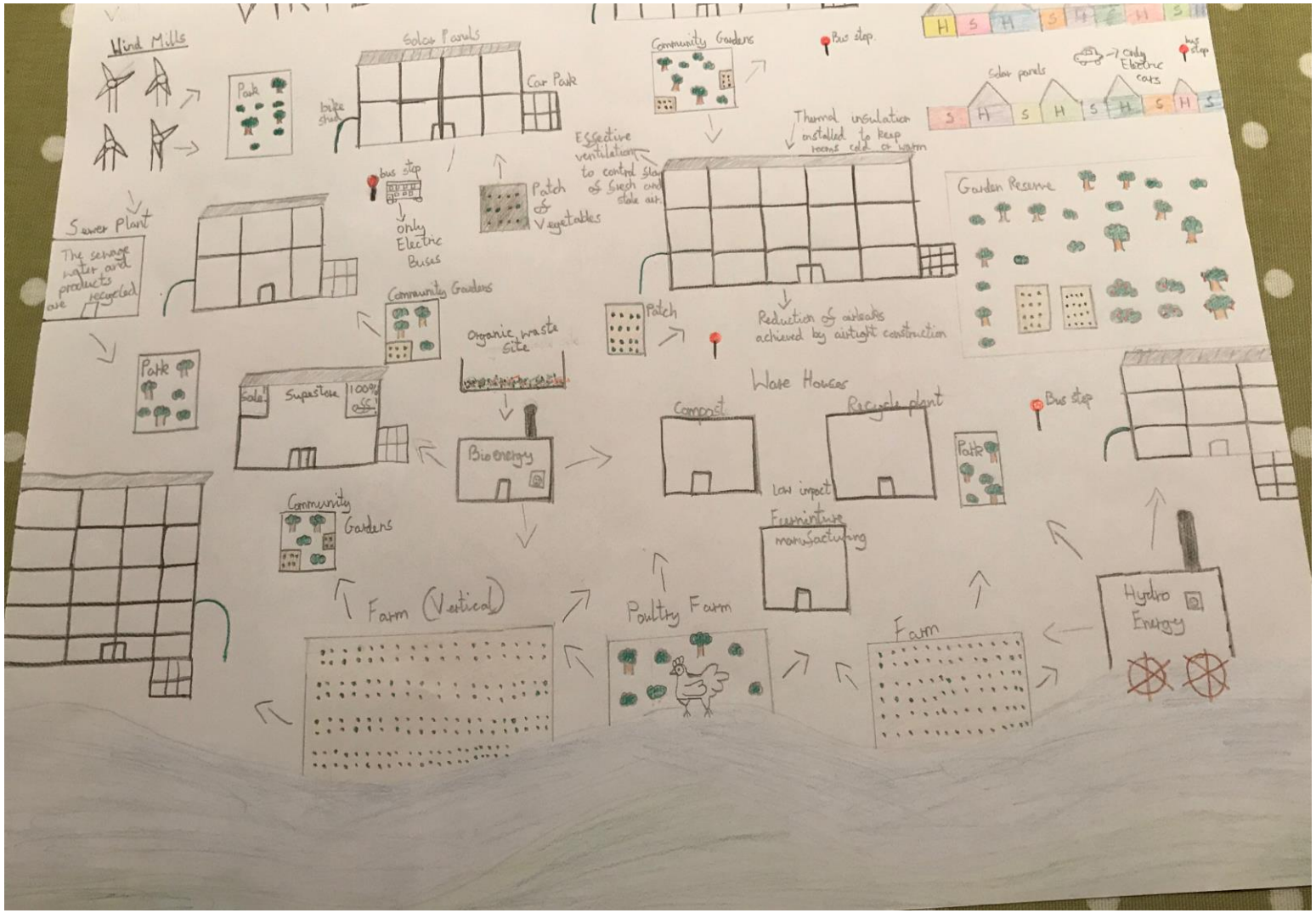


A sustainability city by Anand Munkhbayar 7HAB

The city will be powered by a Dyson Sphere surrounding the Sun which will create more energy than humanity needs to survive. The power from the Sphere will be beamed to a receiver somewhere on the outskirts of the city and will feed towards a main grid. Because of the almost incalculable amount of energy the Sphere would produce and seeing as it will last as long as the sun will live energy would be free for anyone in the city.

Buildings will be required to have at least one green space either on a balcony or on a roof terrace to help people who can't travel far to green spaces and will brighten up living spaces. Parks of all sizes depending on the population of the residents closest to it will be dotted around the city with special areas for nature to thrive.

Viridi City by Max Ford 7SMR



Energy Aim: <u>To be the first city in the world to use 100 percent renewable energy</u>

Viridi will be powered exclusively by a range of renewable energy sources to ensure it has a low carbon footprint, it's resilient and most of all it's livable.

Viridi's renewable energy sources include:

•Solar panels installed on all rooftops converts the sun's energy during the day and are complemented by batteries which store unused solar energy which can be used during the night hours

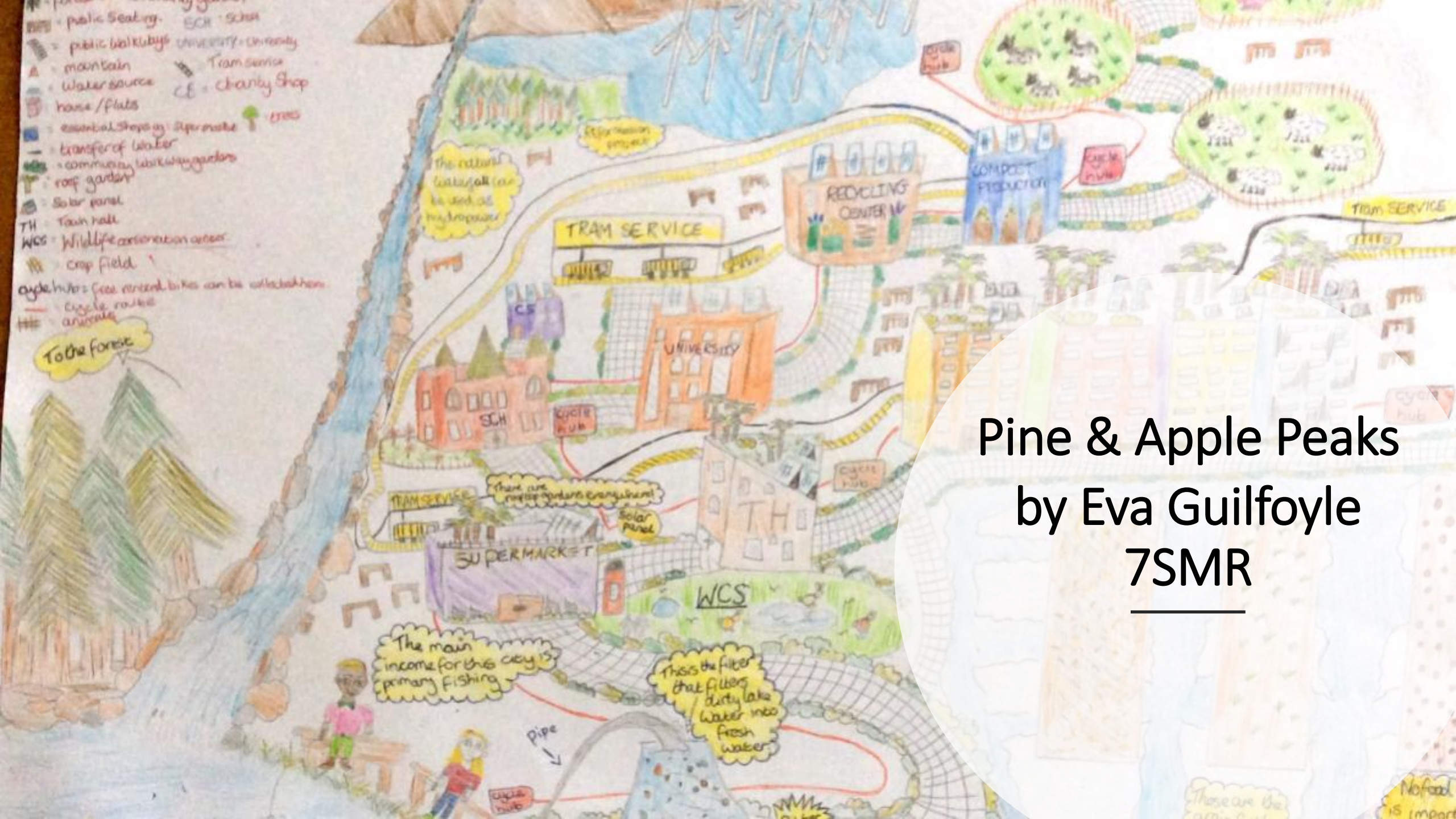
•Wind turbines erected near the edge of town on a slight hill captures the prevailing westerly winds.

•Small hydro system generates a constant baseload energy throughout the year is located on the small river running along

•A bioenergy plant located in the centre of town turns organic waste into energy that is used to generate hot water for all of the commercial and high-density buildings.

•In the City there is also sewage waste that gets transported to sewage plant which is then made into bio energy.

Map of a sustainable settlement by Thomas Ward 7HAB



Pine & Apple Peaks
by Eva Guilfoyle
7SMR

A sustainable settlement by Sophia Peon 7HAB

A superb example of a 3D computer generated model of a sustainable city.
By Hector Buemi 7SMR