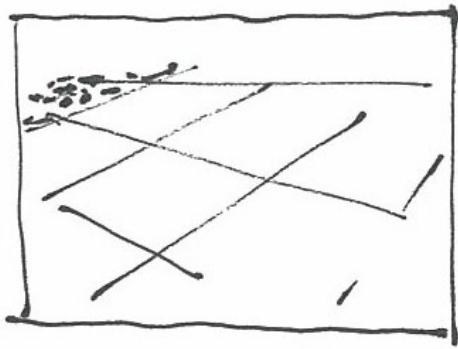
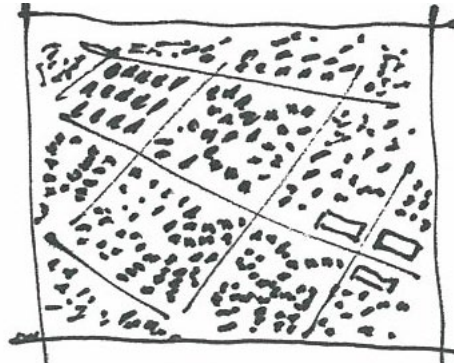


Rural Green Buildings



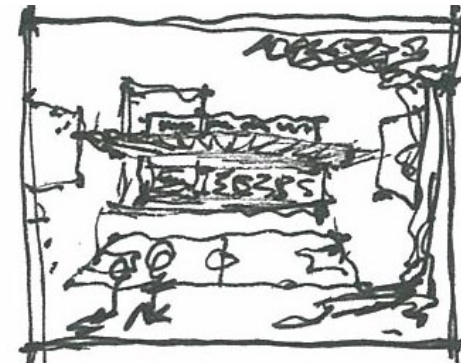
In the past, we sprawled over farm land...



...with one subdivision after another.



Energy efficient, walkable rural villages offer an attractive, sustainable alternative.



Green schools...

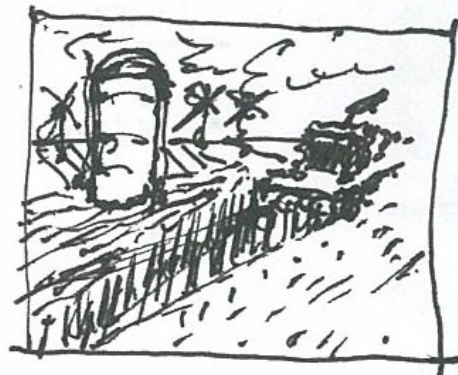


...parks, shops, offices...



...and a wide variety of housing types will be located within walking distance of one another.

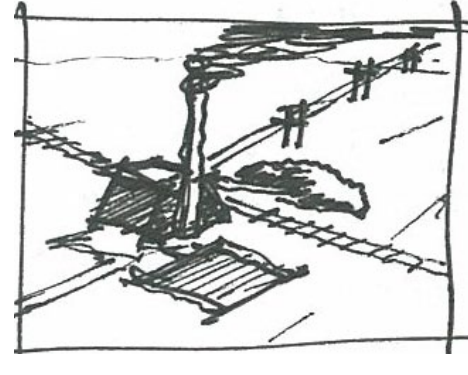
Rural Clean Energy



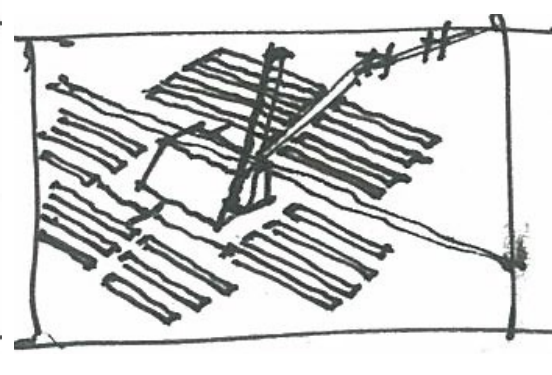
The surrounding agricultural land and open space will be preserved, allowing easy access to farm...



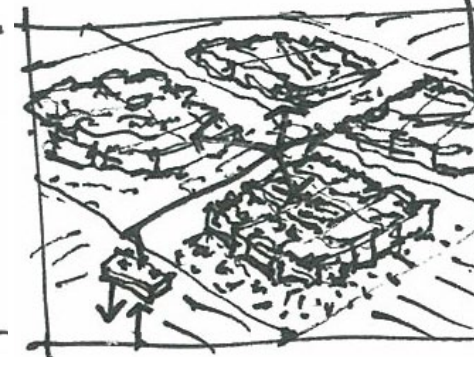
...and nature.



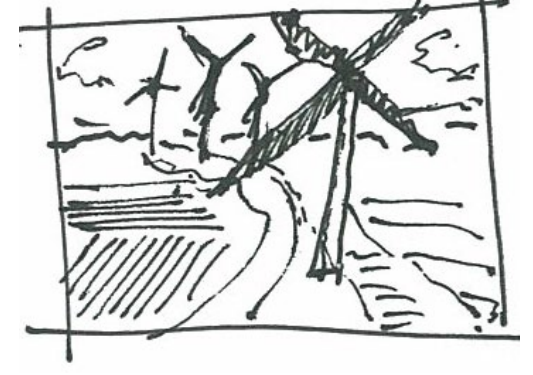
Coal power plants will be replaced with...



...utility scale thermal and concentrated solar power plants with thermal storage.

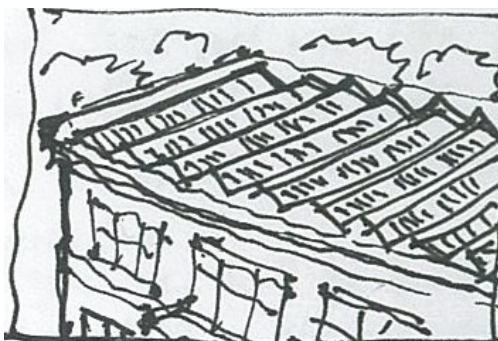


Geothermal plants, where appropriate, will supply carbon-free electricity, heat, and air conditioning to homes and businesses.

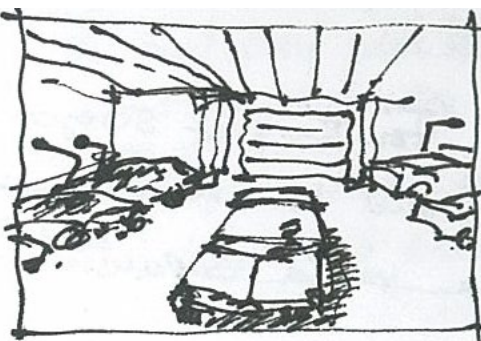


Wind farms, where wind is prevalent, will provide clean electricity, while still allowing crops to be grown beneath them.

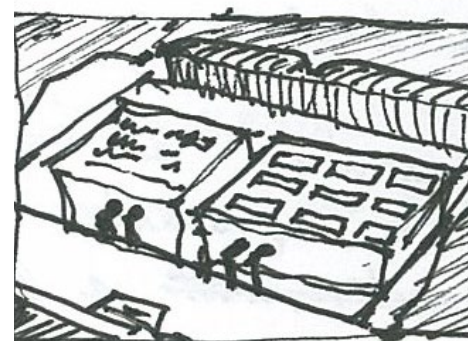
Rural Transportation



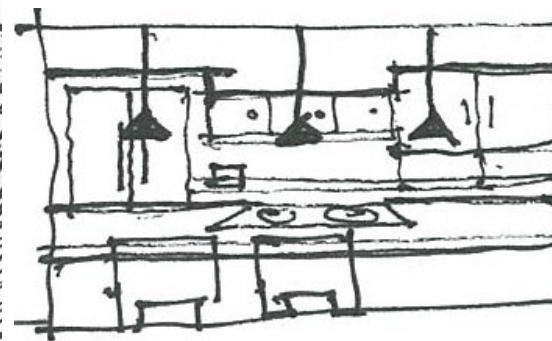
PV solar panels and thin film building materials will supply power during peak load times, and reduce the need for new power plants.



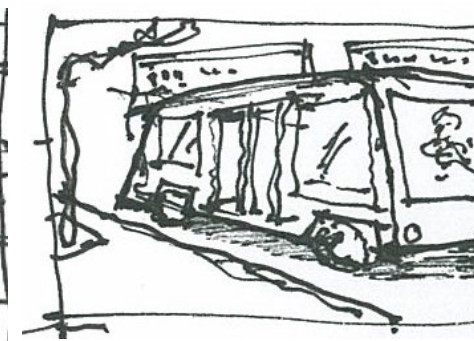
The new smart grid will store excess energy...



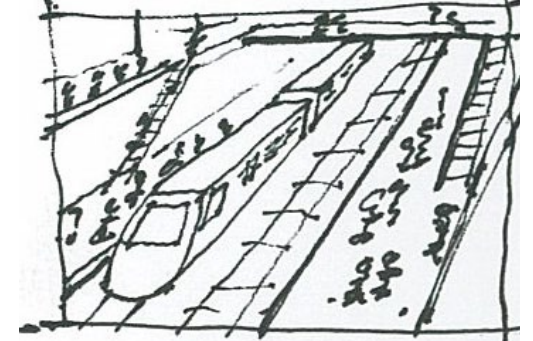
...in battery powered vehicles or sold to neighboring city centers



High efficiency appliances will be connected to the smart grid, which will further reduce the demand for energy.

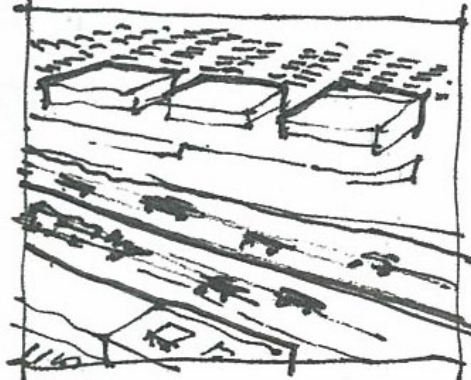


Electric buses will bring those who cannot walk (or are short on time)...



...to commuter rail stations that connect to neighboring villages or urban centers.

Suburban Green Buildings



Obsolete big box retail "Grey Field" sites will be transformed into...



...Green Town Centers with homes, shops, entertainment, libraries, schools and parks.

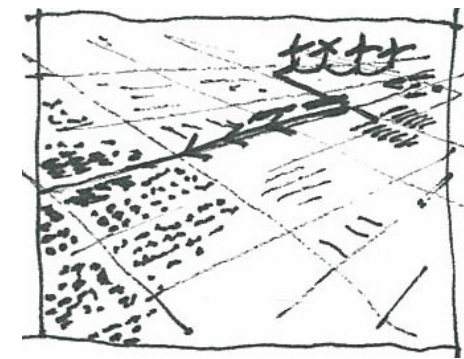


Green modular buildings will result in increased quality and lower costs.

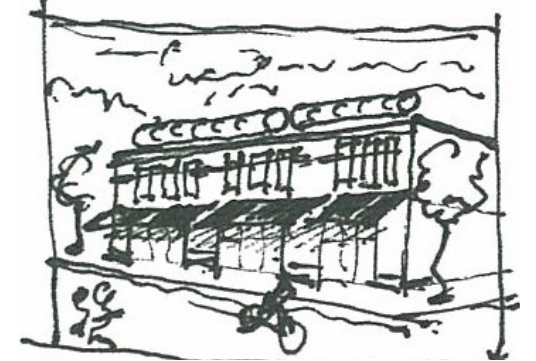


Existing suburban homes will be weatherized and upgraded with Energy Star appliances.

Suburban Clean Energy

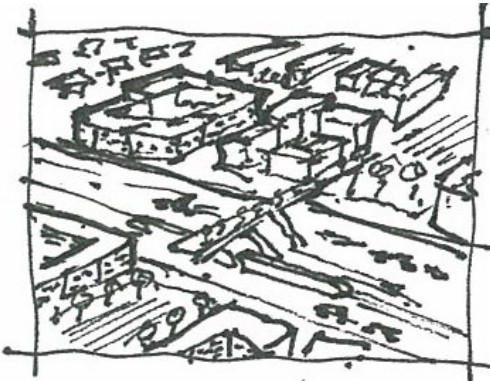


The smart grid will carry energy from renewable energy farms along mass transit lines to the existing suburbs.



Building integrated solar, wind, and geothermal (where appropriate) will save residents money.

Suburban Transportation



Bus Rapid Transit, street cars, and plug-in vehicles will bring residents from nearby neighborhoods to the Town Centers.

Close up of commuter rail station.

Commuter Rail stations at the Centers will allow people to travel to neighboring suburbs or urban centers.

Urban Green Buildings



Walkable neighborhoods will be in-filled with mixed-use buildings to create the "critical mass" to support retailers and schools.



Sustainable, green schools will be built along new urban parks...



...filled with recreation spaces for residents and children.

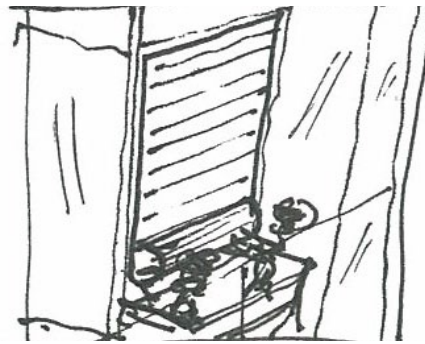


High performance green residential buildings will be built over shops, resulting in active streets and highly desirable neighborhoods.

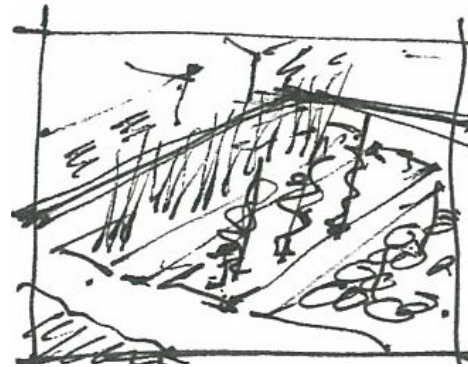
Urban Energy



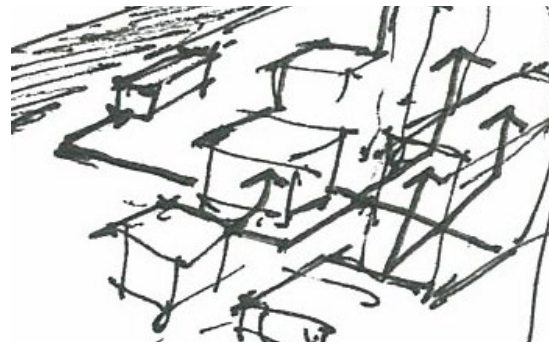
Existing buildings will be made more efficient by adding insulation, replacing windows, and updating mechanical equipment.



High rise buildings will be clad with energy creating materials like thin film photovoltaic panels building integrated wind turbines.

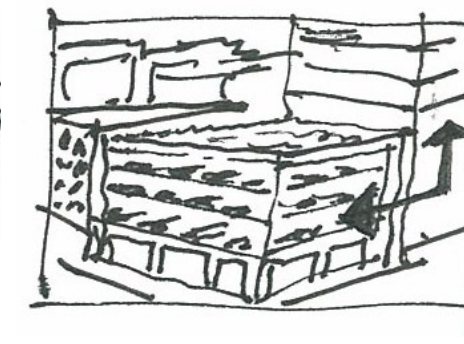


Green roofs will provide space for urban farming, and reduce waste water treatment costs.

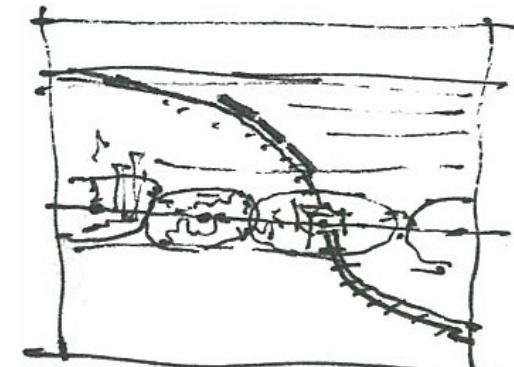


District heating loops will utilize waste heat from nearby solar or geothermal power plants and provide carbon free heating and cooling to the buildings.

Urban Transportation



Smart grid enabled garages will allow plug in electric vehicles to be charged and distribute energy to the grid during peak load times.



Centrally located commuter and high speed rail stations will connect urban centers to surrounding suburbs and other cities.