

Well designed civilizations are adapted to the earth and the sun.

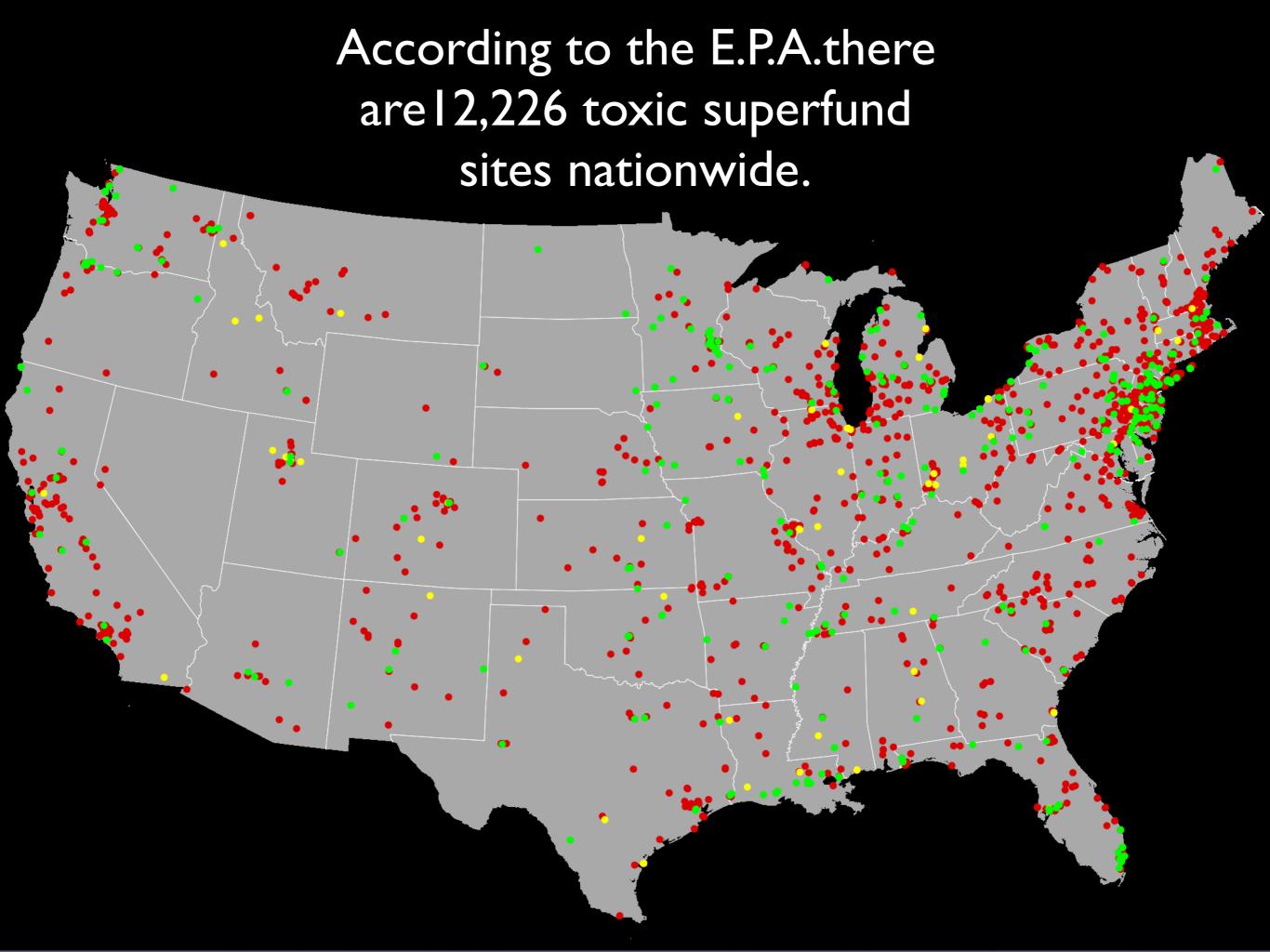




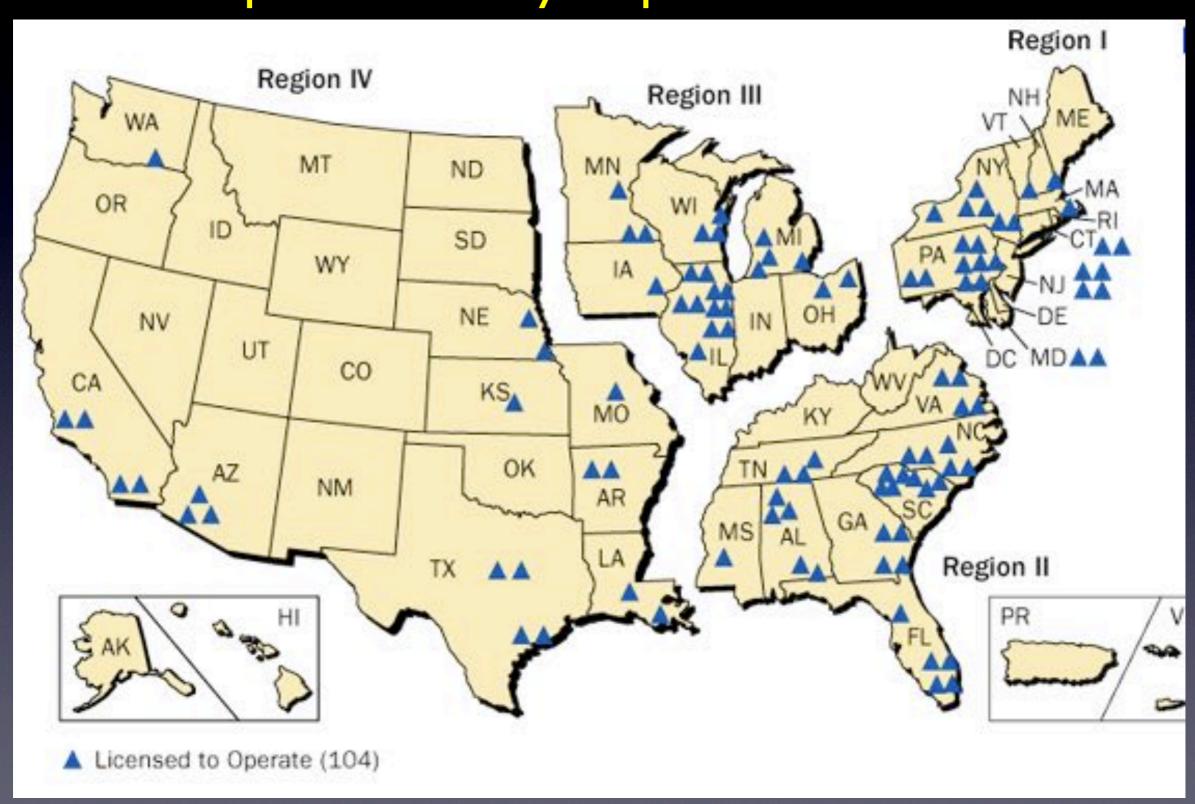
"The world needs a paradigm shift in agricultural development: from a "green revolution" to an "ecological intensification" approach.





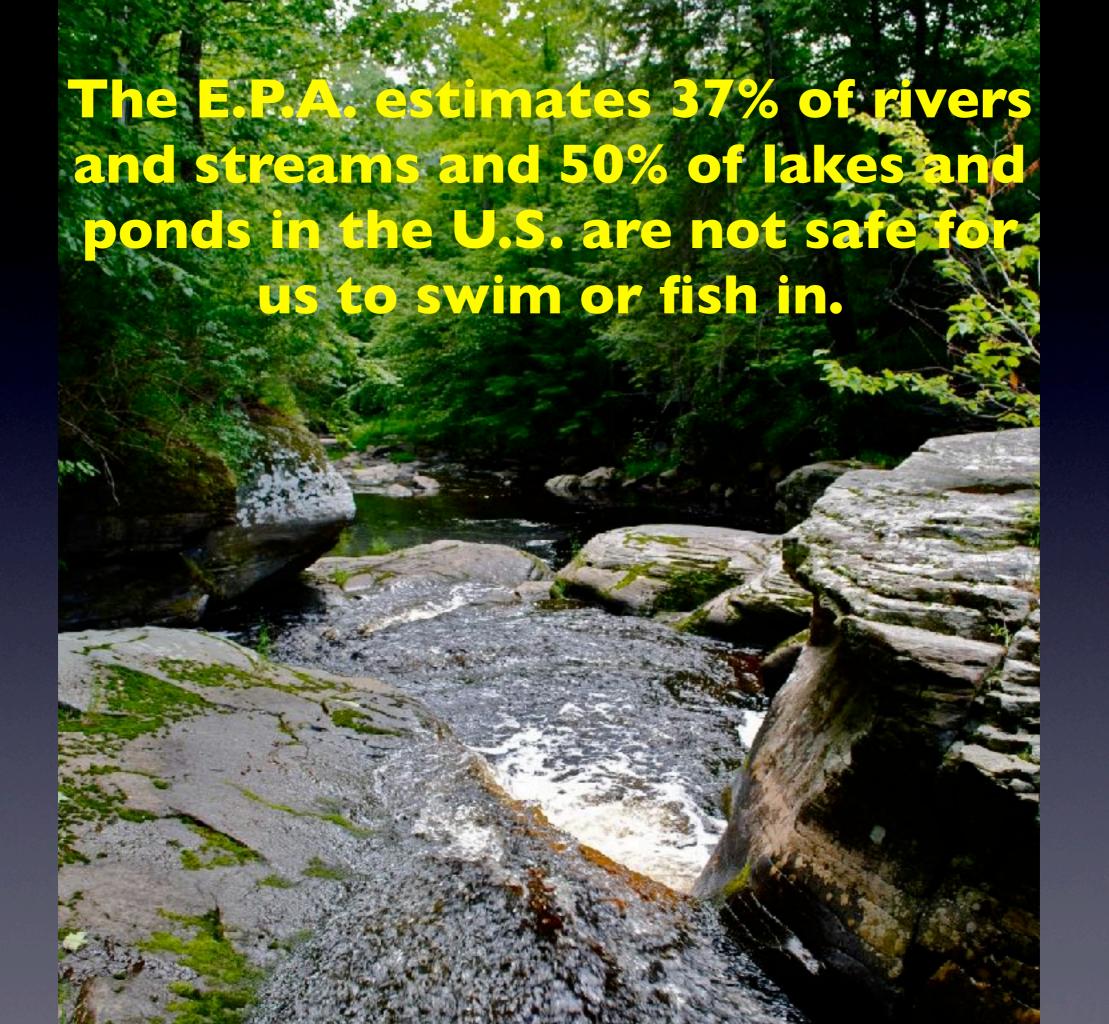


All the nuclear power plants in the U.S. are at full capacity for waste storage with no place to safely dispose of it.



Outdated behemoth's, relics leftover from from the nuclear weapons economy.









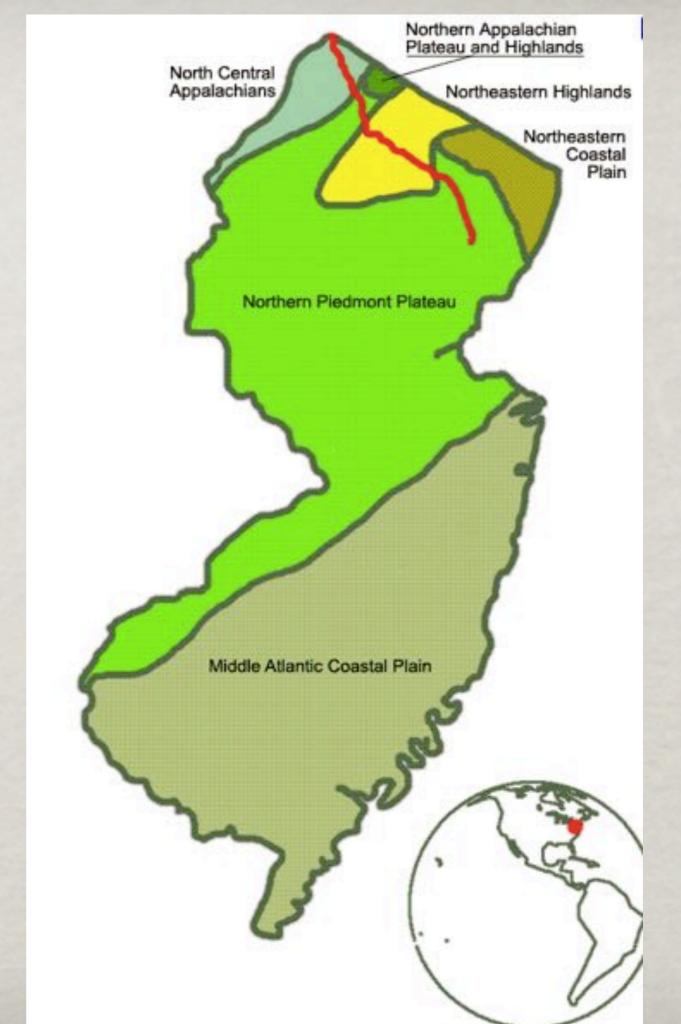
We can use fossil fuel powered machines to increase biodiversity and food yields in ecologically restorative ways.

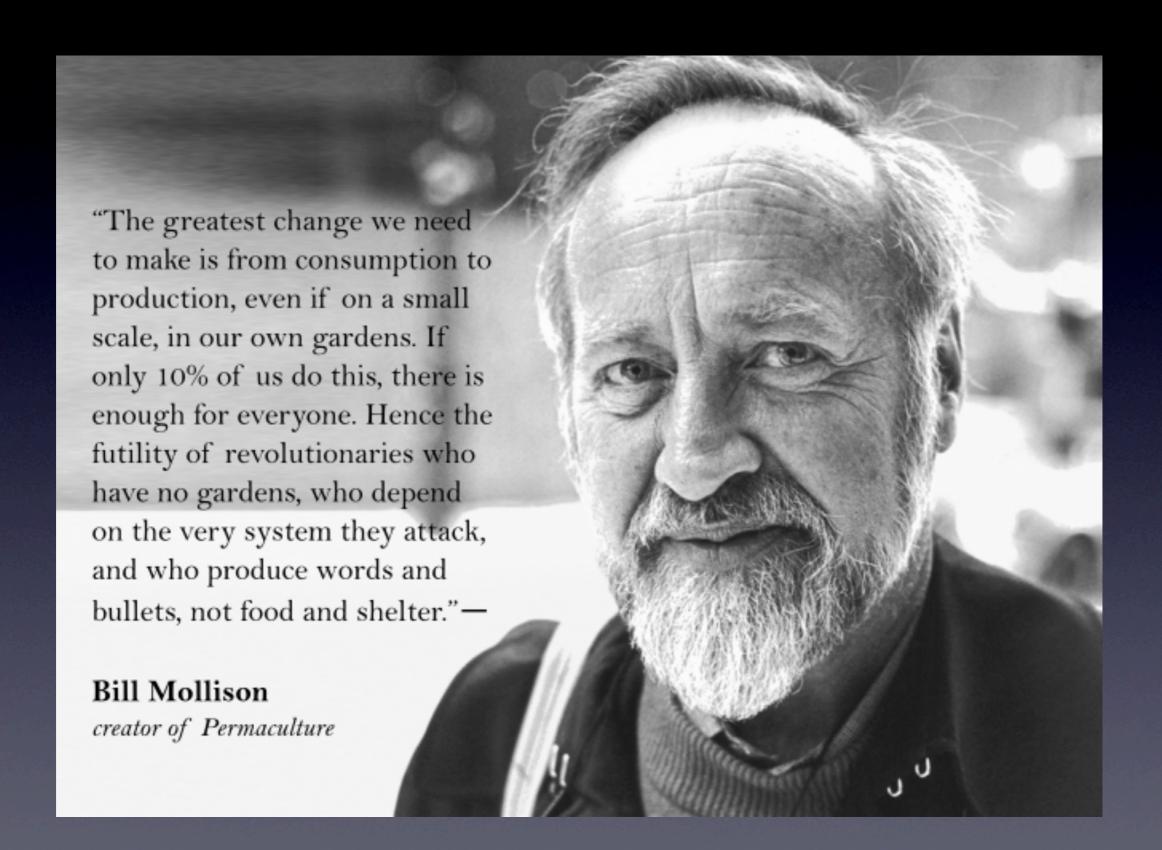


Combining livestock with nut trees in restored ecosystems.



Each place on the earth has unique geologies and geographies that we need to adapt to.





We need to retrofit the industrial infrastructure to be more natural and more regionally self reliant for energy and food needs.

Leiden



Denmark - Copenhagen

The five finger plan or starfish model was drawn up in 1947 to facilitate growth along radial suburban train lines travelling into central Copenhagen, "the palm of the hand", where growth had historically been concentric. Large service and production centres were planned in the junctions between the "fingers", with housing built around suburban railway stations, whilst the rest of the space between the fingers was to remain undeveloped in favour of green space.

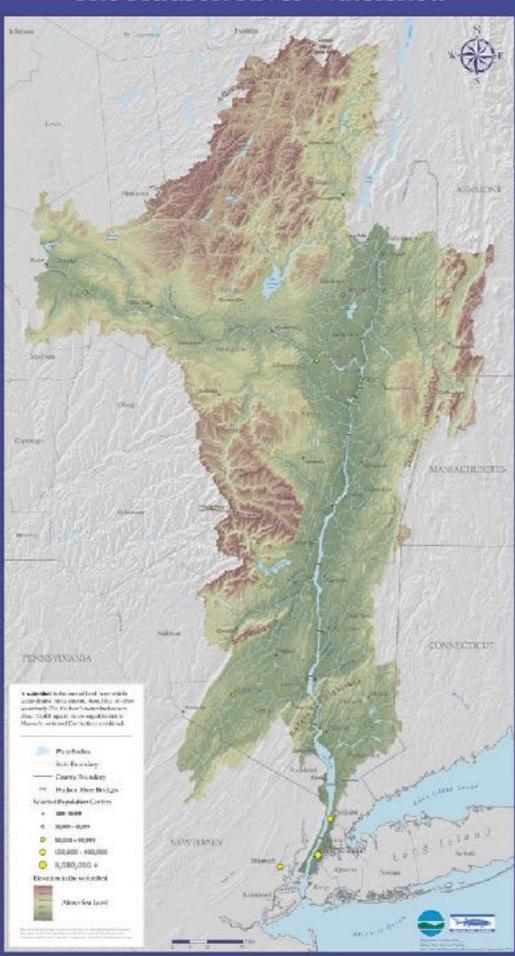




Sweden - Stockholm

The urban settlement has mainly been developed in a star-like pattern. From the beginning the undeveloped wedges to a great extent were royal parks, land belonging to noble families, or military exercise fields. The star-shaped urban development has formed a sort of structure with green wedges between the settlement and traffic zones providing good access to public transport as well as green areas.

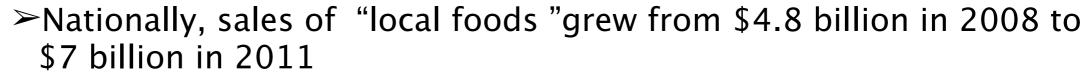
The Hudson River Watershed





Demand for Organic & Local Food Increasing

Organic & Local Foods are the Fastest Growing Segment of the Food Market, Growing at Over 15% **Annually**



- The organic food market has grown from \$3.7 billion in 1997 to nearly \$29 billion in 2010*
- ➤In 2010 Glynwood Farms estimated that the potential demand for fresh local produce in NYC alone was more than \$860 million, dramatically higher than the level of supply coming from tri-state area of only \$149 million
- Increasing concern with the health risks of conventional food and food security contribute to the value of local & organic food

Source: Organic Trade Association 2011 Organic Survey

Enterprise Environment



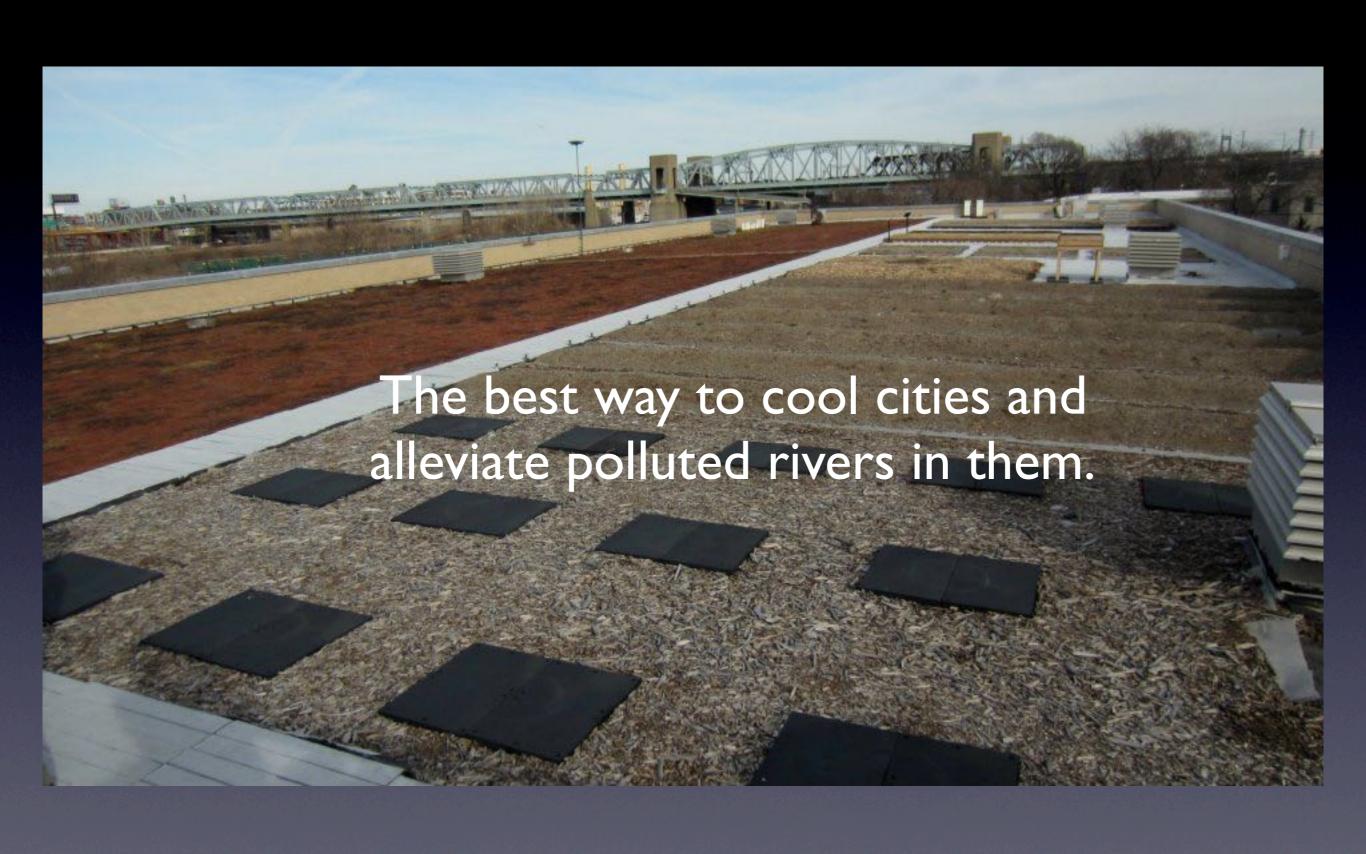




Create city to country connections along rivers and streams.













Planning wildlife corridors across our rooftops and over the entire continent.



There is over 20,000 acres of rooftop space owned by NYU alone.

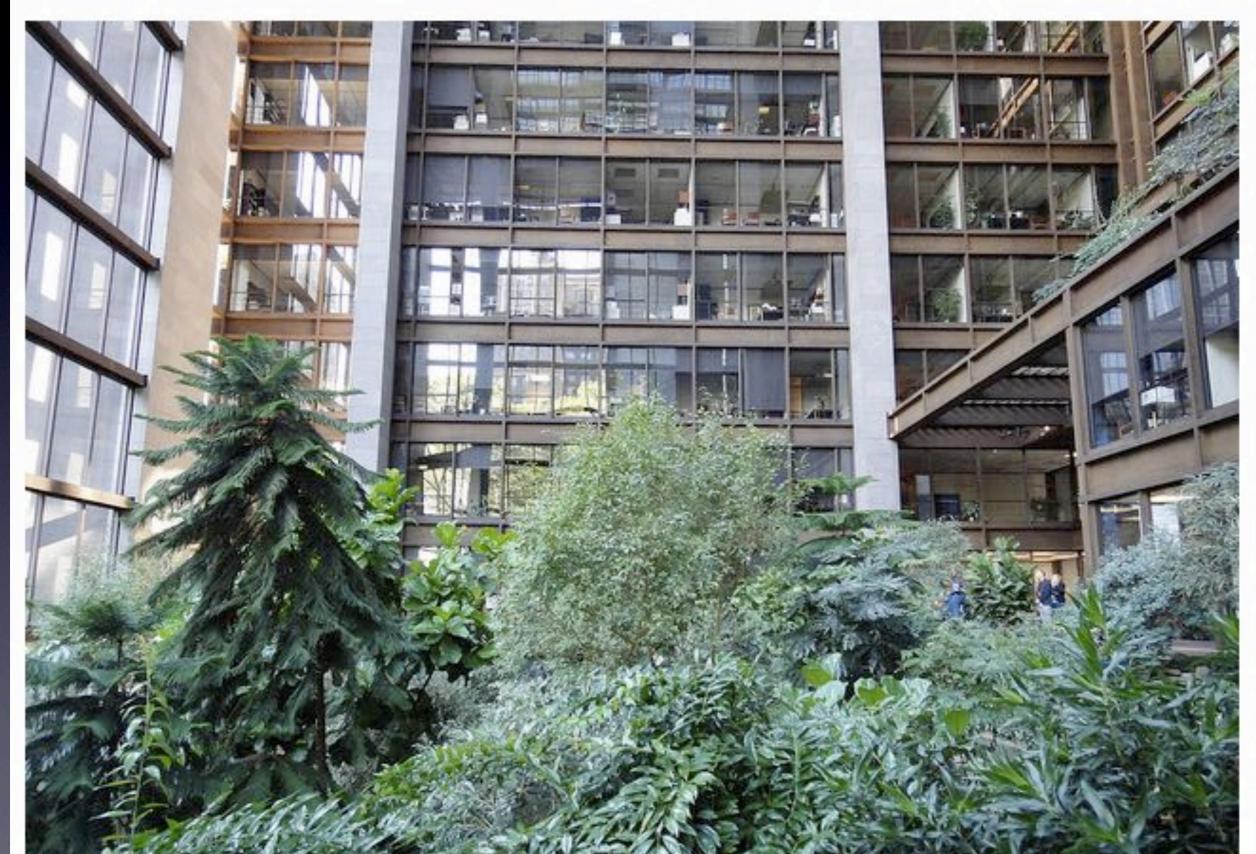


Shanghai is China's most important industrial city with over 15 million people.





According to the E.P.A. there are over 600 VOC's polluting indoor air, making it one of the top 5 causes of illness in the U.S.





Benefits: These types of houseplants are said to be a good overall air purifier, removing most air pollutants.

Notes: Prefers partial sun all day and shade in the winter, with more frequent water in hotter months, but never allow to sit in water or be overwatered.

Common Name: Marginata or Dragon tree Botanical Name: Dracaena marginata



Photo Credit

Benefits: Known for purifying the air of the carcinogen, benzene, commonly found in the off-gasing of synthetic materials, ciagerette smol and other household chemicals. Also known for removing formaldahyde xylene (found in varnishes, paints and paint thinners) and trichloroethyle (found in solvents) from the air.

Notes: It requires little attention, tolerates dry soil and irregular watering and prefers no direct sunlight. It is, however, susceptible to fluoride toxic (so fluoridated water sources may need to be avoided).

The sun is a giant thermo-nuclear furnace 93 million miles away pouring vast quantities of energy over the earth's surface everyday most of it largely untapped by our industrial petroleum powered economy.

In China over 600,000 people work building solar thermal units.

1/3 of all homes in China get all their hot

water from solar thermal. More power then 40 nuclear power plants!







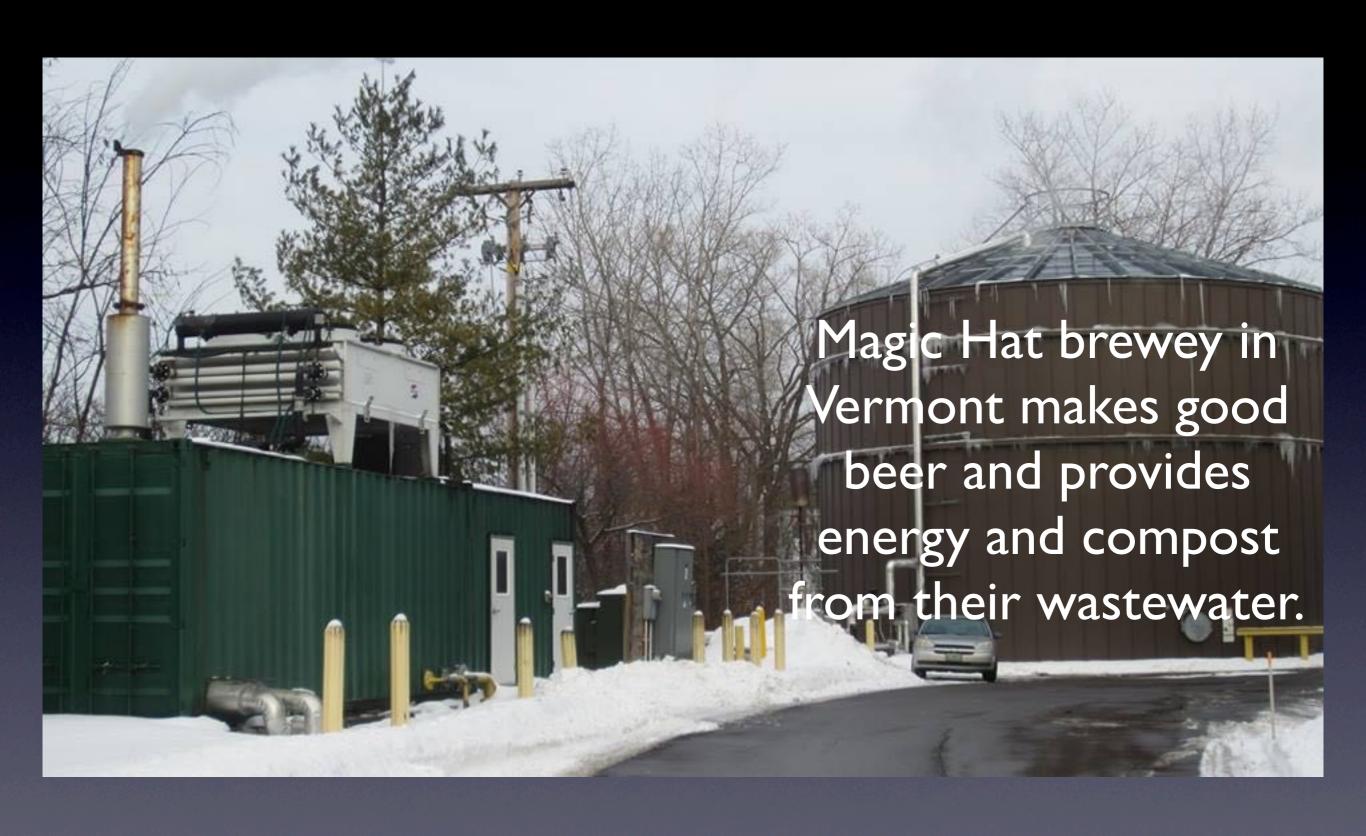


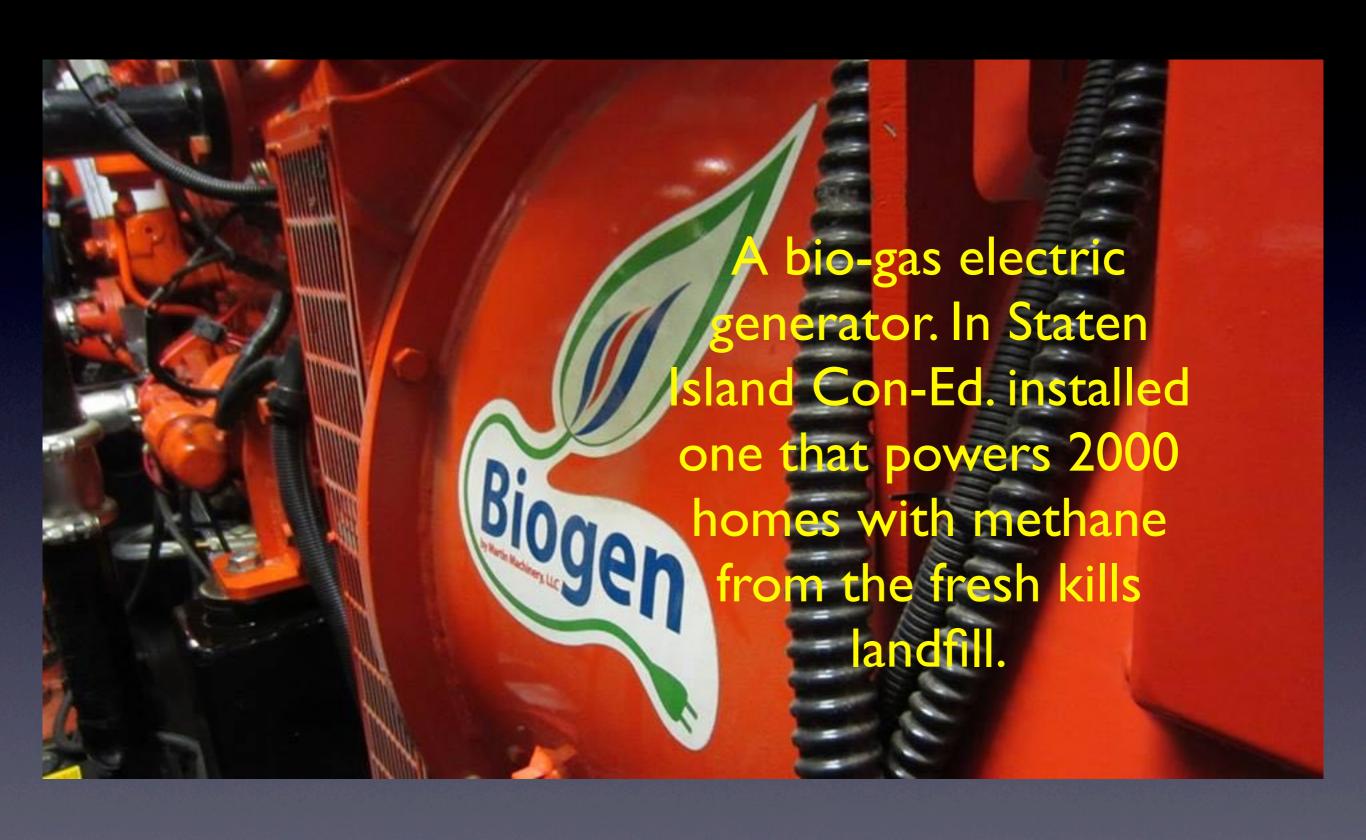


3380 tons a day! of organics hauled out of NYC

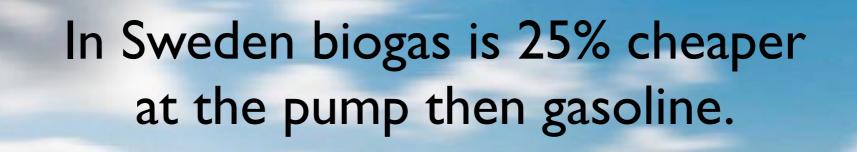




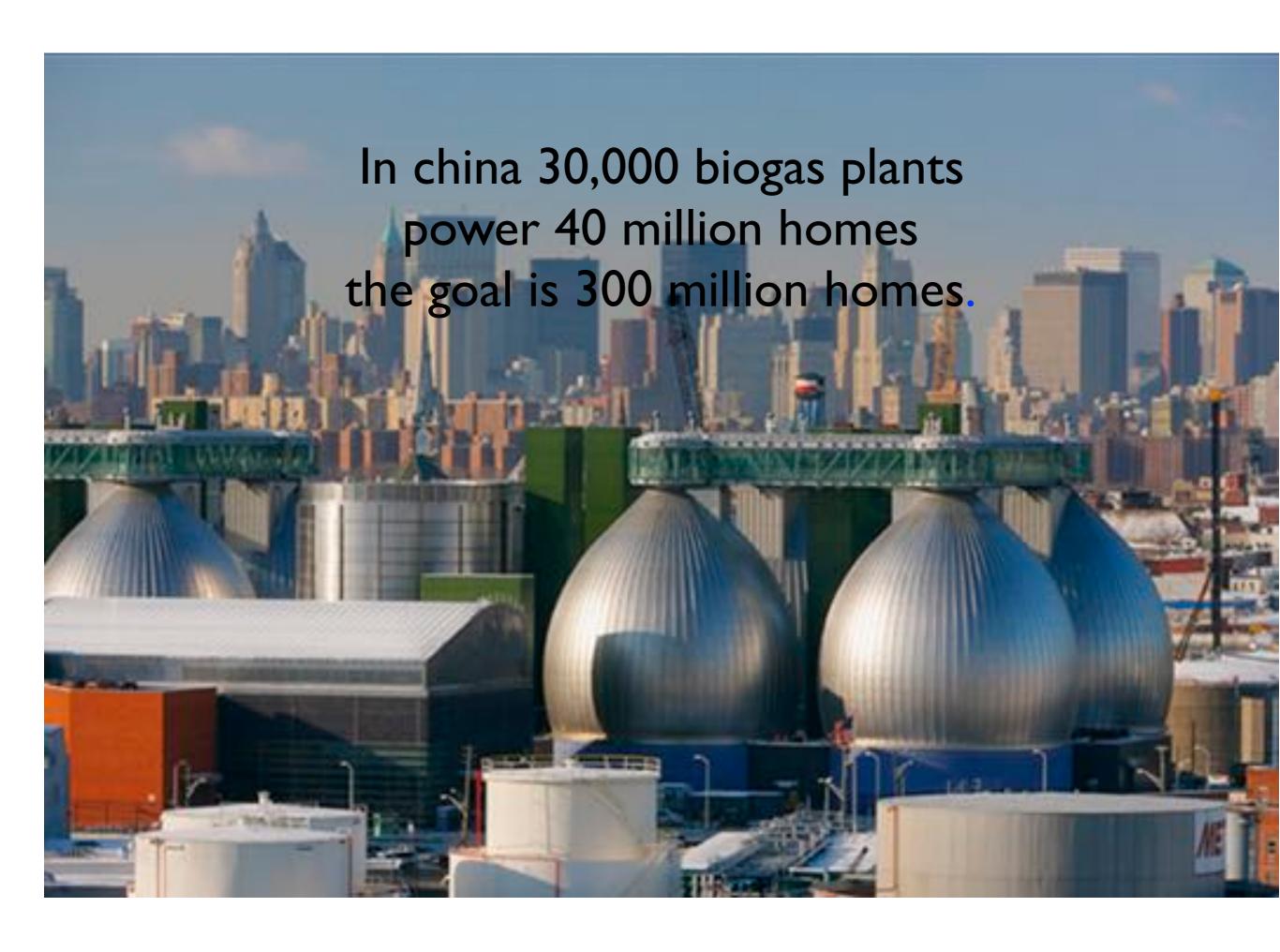
















Karl Hammer the owner /operator of Vermont Compost runs a multi-million



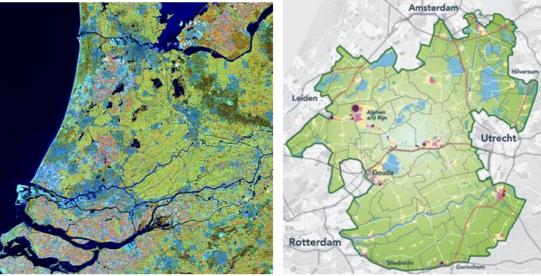


Reimagine the city to include nature in our design.



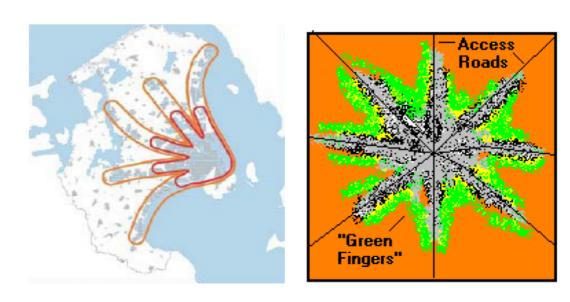
Background Paper 3

We need to retrofit the industrial infrastructure to be more natural and more regionally self reliant for energy and food needs.



Denmark - Copenhagen

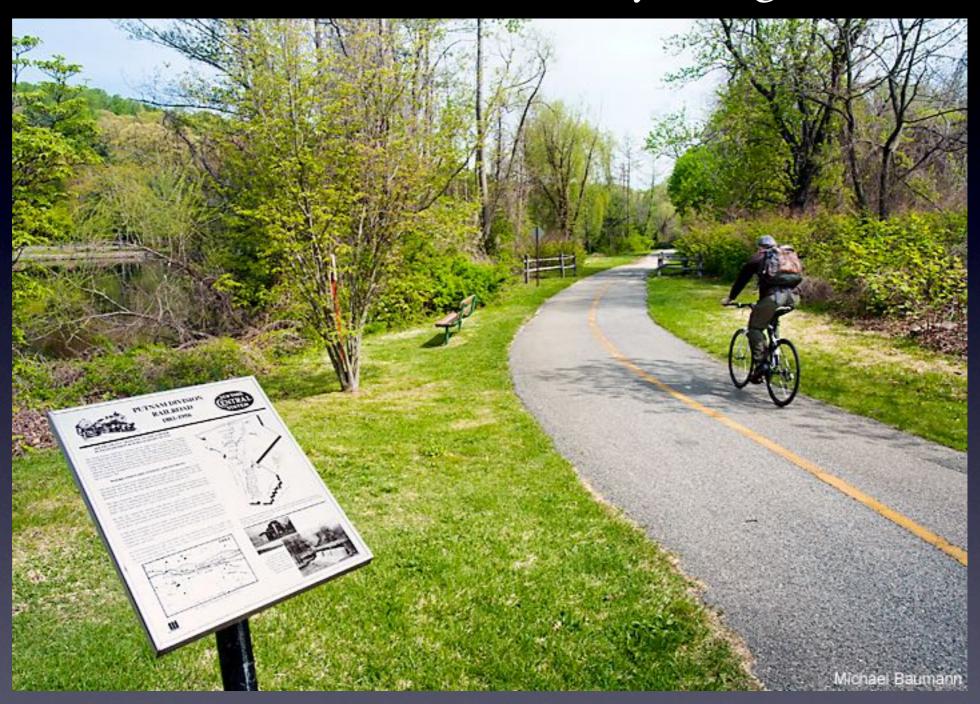
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Bring the vitality of nature connection back to city living.









Big rain tanks are one of the best ways to solve the 24 billion gallons annually, according to the DEP, of untreated sewage being released into the water

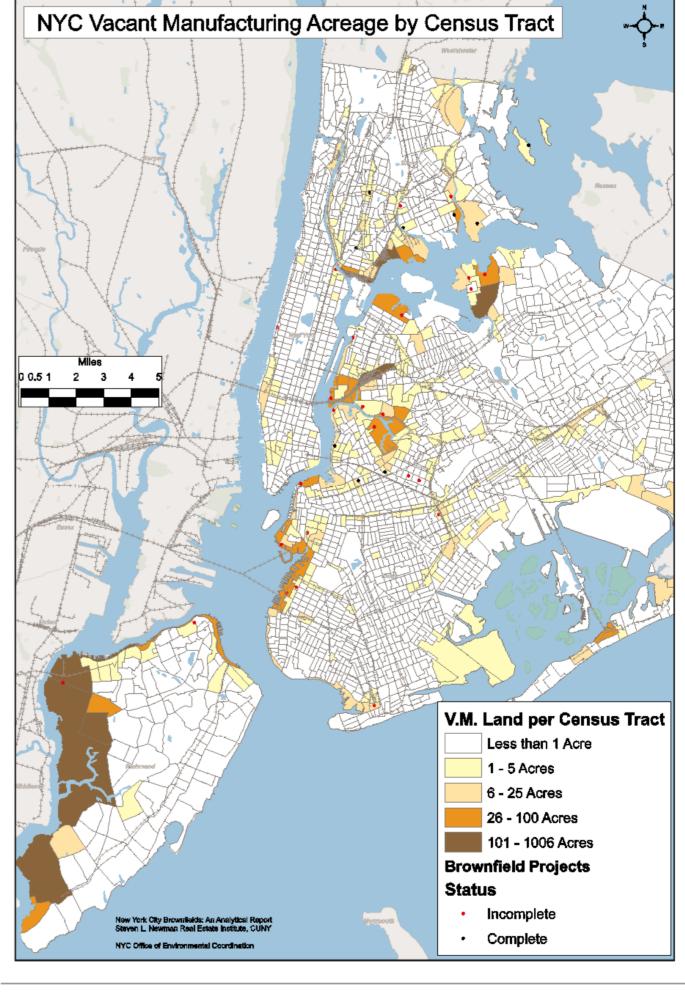


Of the 12,000 publicly owned vacant lot's which ones to daylight a river in

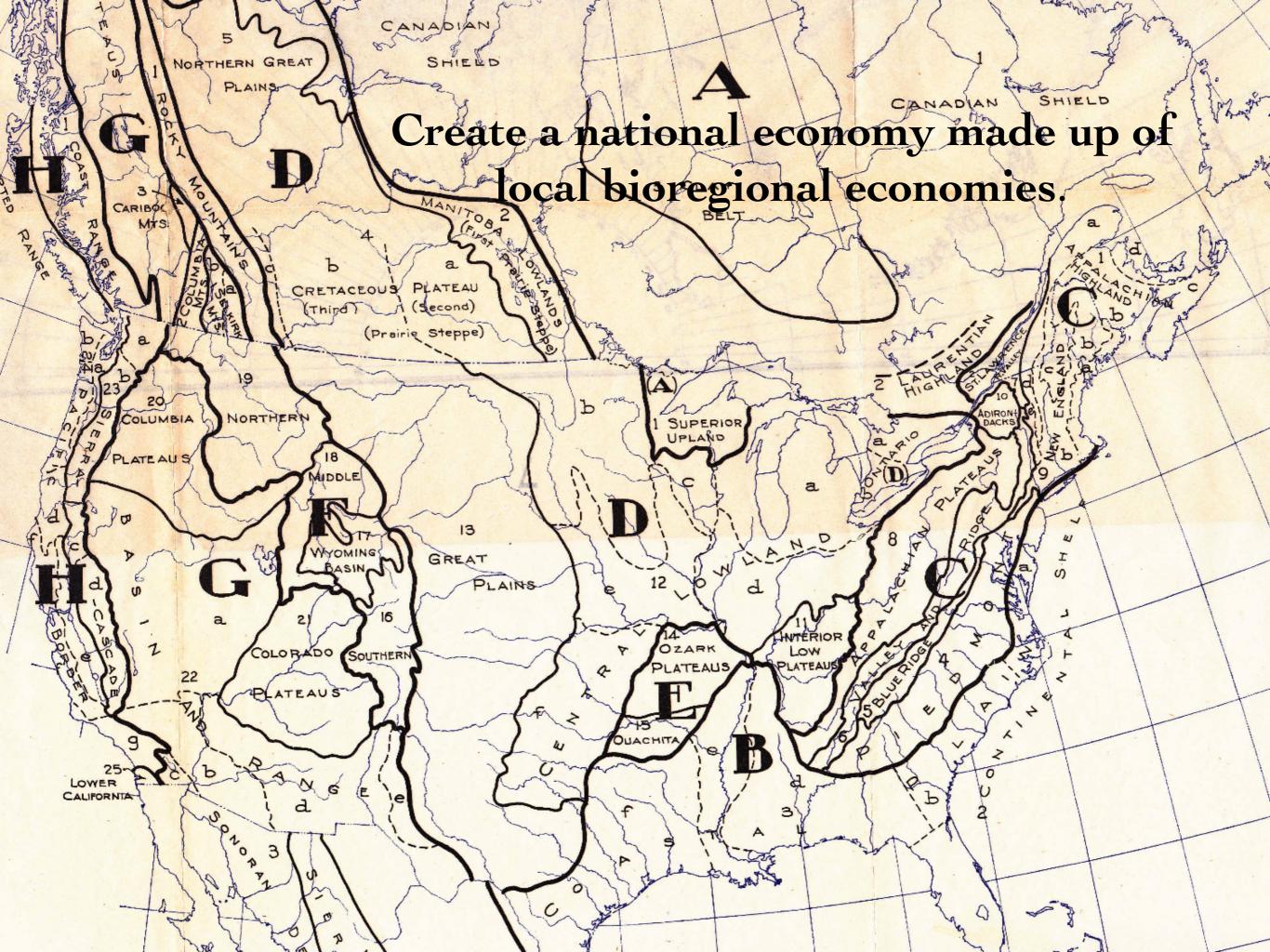




Over 4000 acres on 6000 parcels of brownfields in NYC.The perfect place for our new green infrastructure to be located!







Each region will have unique crops, buildings and energy systems that are designed and engineered to be well adapted to each geographic area of the country.

The Nature (

Map 1. Ecoregions of the Northeast Boreal St. Lawrence. Champlain Valley Shawangunk Ridge Northern Appalachian | Acadian Great Lakes Northern Appalachian / Acadian High Allegheny Lower New England Plateau North Atlantic Coast Allegheny Platear

Redesign our infrastructure to be regionally adapted, self-reliant providing a diversity of green jobs.

