

EnSci 37.1

Goals: Use concepts of city planning and sustainability to design a city that provides for the citizens while doing the least damage to the environment.

Plan:

City planning and sustainability

Design a city meant for approximately 1 million people that is the most sustainable and has the least amount of impact on the planet as a whole. Answer these questions about your city in the style of an advertisement or informational pamphlet:

- 1) Name of your city
- 2) City slogan (why people should live there)
- 3) Where would it be located?
 - a. What type of climate and geography would be surrounding your metropolis?
 - b. What would the surrounding area be used for? Farm and ranchland? Untouched land to use as a nature reserve? Suburbs to grow the population?
- 4) What would be the density of people?
 - a. Many people in a smaller area or more spread out?
 - b. How would your choice have an environmental impact?
- 5) How would the city get its energy?
 - a. How would electricity be generated?
 - b. Would you rely on one power source or have a greater diversity of methods?
 - c. Possible options: fossil fuels, nuclear, wind, solar, hydroelectric, geothermal, tidal, biofuels/algae
- 6) Transportation
 - a. Would you have public transportation? If so, what types and why?
 - b. Could you encourage transportation that does not require fuel or electricity? How would you do that?
- 7) Waste
 - a. How will the city deal with waste disposal and collection?
 - b. Will recycling be an option? What types and how will you encourage the use of recycling

Ensci 37.2

Continue project from previous day