



Examining Locations of Energy Resources

Objective

Analyze where resources are located, where they need to be transported to, and what transportation options exist.

Materials

- Energy Resource Map on white paper
- Set of transparencies including refineries or plants, *Inland Waterway Systems*, *Major Railways*, and *Major Interstates*.

Procedure

Follow the steps below to conduct your analysis. As you add each layer, make sure the registration marks are aligned.

1. Look at your Energy Resource Map. Where in the U.S. is your resource located? Is the resource spread evenly through the country or is it concentrated in a certain area? Why might this be?

2. Layer the plant or refinery map on top of your resource map. Compare your resource map with the map of the plants or refineries where your resource is needed. How close is the resource to the plants or refineries where it is needed? How might the resource be transported?

3. Add the Major Inland Waterway transparency to your maps and align the registration marks. Analyze the locations of the resources and plant/refineries to the major rivers. Is your resource and plants/refineries located close to major rivers? Do you think transporting by barge would be an option? Why or why not?

4. Replace the Major Inland Waterway map with the Major Railways Map. Would you use this option to transport your resource? Why or why not?

5. Replace the Major Railways Map with the Major Interstates Map. Would you use this option to transport your resource? Why or why not?