



**Maine Saves Energy**

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# Maine's Energy Picture: Predicting Energy Use by Sector

*Directions: Energy data is divided into different categories known as sectors. Four categories are used: transportation, residential, industrial, and commercial. Commercial refers to businesses—those engaged in buying and selling goods and services, and industrial refers to occupations that involve manufacture or production of a product.*

## Part 1

With a partner, brainstorm all the ways you think each sector uses energy. Make a list for each sector.

## Part 2

Using 100 counters (pennies or beans), a piece of chart paper, and markers, create a visual showing the percentage of use you predict for each sector in Maine. You may create a pie chart, bar graph, or come up with some other way of representing your prediction. You may make a representation without using counters.

## Part 3

What similarities do you notice in the percentages of your classmates' predictions?

What differences do you notice?



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### Part 4

How does your prediction compare to the actual data?

What do you think may account for these differences?

### Part 5

How do you think Maine's energy use relates to Maine's electricity use?