Warm Up

Open up your Wire Simulation Assignment on Google Classroom

Class Conclusions

- wire length
  - More energy was lost, medium correlation
- wire width
  - Energy loss decreases,
- wire temperature
  - More energy was lost, low correlation
- number of lights on
  - Energy loss increased, medium correlation

Energy Source Impacts

Choose one of the articles and read the first page (it is the same on all of the energy source impact sheets).
Write down 3 noticings and 1 wondering.

Slide A

Energy Sources Impact

You have already read about these sources! You will get your Energy Sources Decision Matrix back on Monday.

Create a data table to address each the impacts of each energy source in your notebook.

Slide A

Navigate: Making Decisions

Turn and Talk

After learning about batteries, and the costs of building some of them, what are some **trade offs** for using batteries as a power source?

On your own

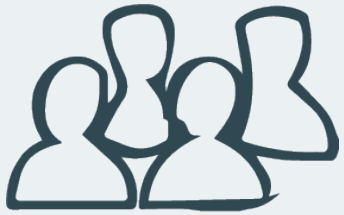
Read about your type of energy you were given

When you are finished, use at least 2 costs and 2 benefits to articulate a trade-off for each of the power sources.

When choosing whether to use this source to produce electrical energy, there is a trade-off between _____ and _____.

Slide C

Identifying Trade-offs Jigsaw



With your group

Give each person a chance to share a trade-off they identified.

- Listen for themes across the costs and benefits that will help you identify additional criteria that we think are important.

Making Decisions

With your class

- What are some examples of costs that are not financial?
- What are some examples of costs that affect some people differently than others?
- What are some examples of benefits that affect some people differently than others?

Values of Interested Parties

Warm Up

What could we do to make sure we are representing the interests of people in our community before we make decisions for our design project?

Slide J

Values of Interested Parties

With your elbow partner…

Take turns reading each quote and create a table to answer the questions below

- Who is this person?
- What position or relationship do they have to the energy grid?
- What does this person value when it comes to making decisions about the energy grid?
- What design solutions would this person say were least important?

Values of Interested Parties

With your class

- How did the lives and values of the people quoted inform the way they thought about energy decision-making?
- What are some other opinions about energy that you think were missing from the quotes?