



## K-2. Engineering Design

### Sample Driving Question:

“How can we reduce our water and energy use?”

### Relevant Standards:

- K-2-ETS1-1. Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.
- K-2-ETS1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

### Annual Report Supplemental Resource Stories:

- [Building a Sustainable Future One Power Plant at a Time](#)
- [End of Coal](#)
- [Traveling the Distance](#)
- [Melting the Snow for Small Business](#)
- [Sprinting on the Snowmelt](#)
- [Working for Water](#)
- [Coats of Many Colors](#)

### Additional HBPW Resources:

- [Tours of Water Treatment Plant or Water Reclamation Facility](#)
- [HBPW speaker from the Water Treatment Plant](#)
- [Visual Assets](#)

### About this resource:

Holland Board of Public Works is a strong advocate for educating students on where their utilities come from and how they are provided. We believe that providing context on what is happening in their community will help them to become community advocates and engaged citizens.

We have provided some ways in which our stories can supplement state standards, but we invite you to explore the stories and see in what other ways these topics might serve as a resource in your classroom. More information can be found online at <http://annualreports.hollandbpw.com/annualreport2016/article/educator-resources>