



MS. Engineering Design

Sample Driving Question:

"How can we help the HBPW ensure that they are providing sustainable energy for the community?"

Relevant Standards:

- MS-ETS1-1.** Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
- MS-ETS1-2.** Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

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](#)

Additional HBPW Resources:

- [Tours of Water Treatment Plant or Water Reclamation Facility](#)
- [SROI Report](#)
- [SROI Presentation](#)
- [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>