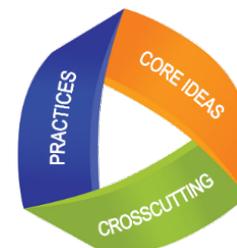


WA State Learning Standards Addressed in the PUD's "Meet the Renewables" Assembly

NEXT GENERATION SCIENCE STANDARDS (NGSS)



Performance Expectations

4-PS3-2. Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.

4-ESS3-1. Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.

5-ESS3-1. Obtain and combine information about ways individual communities use science ideas to protect the Earth's resources and environment.

- Communicate scientific and /or technical information orally and/or in written formats, including various forms of media and many include tables, diagrams and charts.
- Use a model to test cause and effect relationships or interactions concerning the functioning of a natural or designed system.

- Energy can be moved from place to place by moving objects or through sound, light or electric currents.
- Energy can also be transferred from place to place by electric currents, which can then be used locally to produce motion, sound, heat, or light. The currents may have been produced to begin with by transforming the energy of motion into electrical energy.
- The expression "produce energy" typically refers to the conversion of stored energy into a desired form for practical use.

- A system is a group of related parts that make up a whole and can carry out functions its individual parts cannot.
- A system can be described in terms of its components and their interactions.
- Energy can be transferred in various ways and between objects.
- Engineers improve existing technologies or develop new ones to increase their benefits, decrease known risks, and meet societal demands.



WASHINGTON STATE ENVIRONMENTAL & SUSTAINABILITY STANDARDS

Grade 3-5

ESE Standard 3 – Students develop and apply the knowledge, perspective, vision, skills, and habits of mind necessary to make personal and collective decisions and take actions that promote sustainability.



WASHINGTON STATE SOCIAL STUDIES STANDARDS

- EALR 2.1 – Understands that people have to make choices between wants and needs and evaluate the outcomes of those choices.
- EALR 3.2 – Understands human interaction with the environment.