Energy Storage Project

The goal of the CREATE Energy Storage Project is to advance the field of renewable energy by supporting the integration of energy storage technology into existing two-year college programs, creating high school pathways and partnerships.

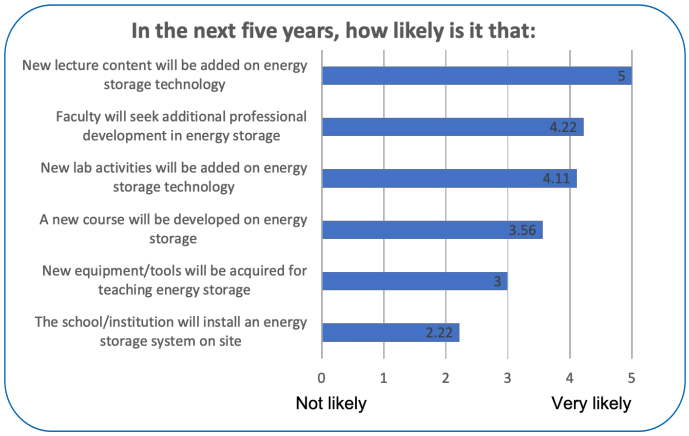
This goal will be accomplished through four objectives:

1. Examining existing model energy storage education efforts already pioneered in European countries.

2. Conducting a Job Task Analysis and Curriculum Gap Analysis to identify critical knowledge and skills for technicians working with energy storage systems.

3. Implementing pilot energy storage courses in a model teaching laboratory.

4. Providing professional development in energy storage for two-year college instructors through digital webinars, presentations, and workshops.



Publications

www.createenergy.org

Teaching Lessons & Materials
http://www.createenergy.org/teaching-materials.html

Solar PV Battery and Charge Controller Includes:
- Student Lesson and Response Guide
- Teacher Answer Key
- List of Materials and Equipment
- DOE Energy Literacy Standards
- Next Generation Science Standards

Webinars
http://www.createenergy.org/publications.html
- Solar PV: Battery Storage and Charge Controller
- Battery Storage

ASEE Best Paper Award Energy Division 2020
A comparison of the renewable energy and energy storage sectors in Germany and the United States, with recommendations for engineering teaching practices. - Bosman, Brinker, & Walz
http://www.createenergy.org/assets/bosmanbrinkerandwalz_germanyre_asee2020.pdf

ASEE Professional Development Division 2020 International Faculty Professional Development: Utilizing Hybrid Environments to Deepen Learning & Grow Community - Slowinski, Temple & Walz
http://www.createenergy.org/assets/slowinski-temple-and-walz-intprofdev-asee2020.pdf

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