



# OHS Survey/ Solar Energy Alternatives

## Butte Community College

### Program Name / Project Descriptions

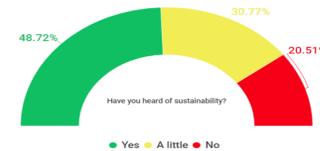
#### Project 1: Oroville High School Sustainability Survey

We conducted a first survey of 39 Oroville High School Students asking them their knowledge and interest in sustainability. We also did a presentation and a second survey as well to see how our presentation affected their answer in the first survey.

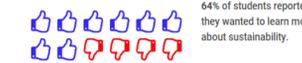
##### High School Students on Sustainability

A collaboration between interns from Solar Energy Alternatives and Biochar Research and Development brought together an informative presentation for local high school students to engage them on the topics of the meaning of sustainability and how we can work together towards a sustainable future.

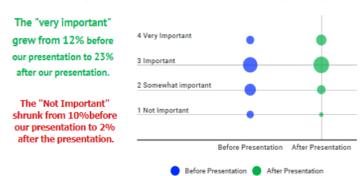
Who did we poll?



Do you want to learn more about sustainability?



How important is sustainability to you?



Infographic with quotes: "Finding a sustainable resource instead of fossil fuel and nature affecting fuels.", "I expect that there will be an increase in sustainability in the future. Especially because schools are starting to use and learn sustainability.", "I hope to integrate it in as part of my life to help the earth and future generations.", "My expectation in sustainability would be we would have energy come from waste products such as trash, used soil, etc.", "What is your expectation of sustainability of the future?", "To make the world last.", "I hope there will be more ways to create energy without using fossil fuels and I hope more people become aware that climate change is real.", "My expectation for sustainability of the future is to use more healthy stuff as technology that would benefit the future and the youngsters."

#### Project 2: Solar Energy Alternatives Intern



With SEA Intern, we had two projects. We worked with GRID Alternatives and we also competed in SMUD Solar Regatta as our second project. We collaborated with GRID on helping install solar panels to lower income families. GRID Alternatives' vision is a successful transition to clean, renewable energy that includes everyone. GRID's mission is to make renewable energy technology accessible to underserved communities. Our second project was to create a solar boat to compete in the SMUD Solar Regatta.

### Achievements / Results / Outcomes

#### Oroville High School Presentation



Our Survey told us that only 48% of the student that took the survey knew a little about sustainability and after the presentation more than 68% of the student learned something new about sustainability. More than 60% want to learn more about Sustainability and would talk to a friend about it.

#### SEA Intern Projects

With GRID, we helped them install solar panels for two houses. What we got back was the knowledge for a solar installation, safety rules, and professional connections. For SMUD Solar Regatta Race, we didn't win trophies but we gained professional teamwork, experience, progress, data collection, documentation record keeping, and knowledge for next year's race.

### Lessons Learned / Intern Experience

#### Successful Strategies:

1. Self Discipline is key.
2. Constantly questioning is key.
3. Surround yourself with people who constantly motivate you and inspire you to do and be your best.

#### Recommendations for Improvement / Program Expansion:

1. Two or Three more professional trainings with SEI.

Kong Vang

Intern Background: Second Year Butte Community College majoring in Facilities Engineering Technologies, will hopefully transfer to Cal Maritime Academy into the same major.

#### Acknowledgements:

Thank you so much to Danielle Baxter, John Dahlgren, and my MESA Family. You all inspire me to pursue my dreams and goals everyday!



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